

NOTES ON PAPUAN BIRDS.

BY THE HON. WALTER ROTHSCHILD, PH.D., AND ERNST HARTERT.

(Continued from Page 116.)

[For the localities mentioned in this article see "Introduction," Nov. ZOOL. 1901, pp. 55—61, and the maps, Pls. II. and III., in the same volume of this Journal. The former portions of this series of articles on Papuan Birds are: Vol. VIII. pp. 55—88 ("Introduction," *Pittidae*, *Psittaci*), and pp. 102—162 (*Columbae*, *Megapodiidae*, *Rallidae*, *Limicolae*, *Alcedinidae*); anteà, pp. 65—116 (*Paradiseidae*, *Corvidae*, *Laniidae*, *Dicruridae*, *Oriolidae*, *Artamidae*, *Sturnidae*). We hope to continue the subject shortly.]

XIV. MEROPIDAE.

1. *Merops ornatus* Lath.

- 1 ♂, Mansinam, 1879. Brnijn coll.
- 1 ♀, Mansinam, 7. vi. 1875. Beccari coll. (Specimen *q* of Salvadori's list).
- 2 ♂♂, Sorong, 19. iv. 1875. Brnijn coll. (Specimens *c'* and *f'* of Salvadori's list).
- 1 ♂, 4 ♀♀, Dorey, 1874, 1875. Brnijn coll. (Specimens *d*, *e*, *f*, *l*, *i* of Salvadori's list).
- 1 ♀, Ansus, Jobi, 10. iv. 1875. Beccari coll. (Specimen *m²* of Salvadori's list).
- 2 ♂♂, 1 ♀, Marai, Jobi, April 1897. W. Doherty coll.
- 1 ♀, Mafor, May 1897. W. Doherty coll.
- 2 ♂♂, 2 ♀♀, 1 sex ?, Ron, July 1897. W. Doherty coll.
- 1 ♂, 1 ♀, "Côte septentrion., 136° 30'—137° long." 1879. Brnijn coll.
- 1 ♂, 1 ♀, Simbang, German New Guinea, 28. vii., 14. ix. 1899. E. Nyman coll.
- 1 ♂, Blanche Bay, New Britain, 9. vii. 1879. E. Richards coll.
- 5 ♂♂, Woodlark Island, 2. 16. 26. iv. 1897, 27. iii. 1897. A. S. Meek coll., Nos. 170, 174, 182, 222, 223.
- 4 ♂♂, 1 ♀, Sudest Island, Lonisiades, 30. iii., 19. 14. 14. 20. iv. 1898. A. S. Meek coll., Nos. 1630, 1717, 1723, 1727, 1769.
- 2 ♂♂, 1 ♀, St. Aignan, Lonisiades, 30. 30. viii., 10. ix. 1897. A. S. Meek coll., Nos. 930, 931, 1019.
- 1 ♀, Milne Bay, 19. iv. 1899. A. S. Meek coll., No. 2481.
- 3, Nienra, British New Guinea. Lix coll.

1 ♂, 1 ♀, Trangan, Aru Islands, 17. ix. 1900. "Iris bright blood-red, feet plumbeous, bill black." H. Kühn coll., Nos. 2579, 2585.

We have in addition sixty-two specimens from Australia, Alor, Sumba, Sumbawa, Timor, Savu, Lombok, Lomblen, Celebes, Batjan, Ternate, Obi.

XV. ORACHIDAE.

1. *Eurystomus orientalis australis* Swains.

- 1 ♂, 1 ♀, Salwatty, 16. 28. v. 1875. Brnijn coll. (Specimens *g'* and *i'* of Salvadori's list).

- 1 ♀, Batanta, July 1875. Bruijn coll. (Specimen α' of Salvadori's list).
 1 ♂, 1 ♀, Ansus, Jobi, 1879. Bruijn coll.
 1 ♂, Ansus, Jobi, April 1897. W. Doherty coll.
 1 ♂, Marai, Jobi, May 1897. W. Doherty coll.
 1 ♀, Mafor, May 1897. W. Doherty coll.
 1 ♀, Sorong, 20. iv. 1875. Bruijn coll. (Specimen α of Salvadori's list).
 1 ♂, Kafu, May 1884. Bruijn coll.
 1 ♀, Dorey, 4. vi. 1875. Bruijn coll. (Specimen β of Salvadori's list).
 1 ♀, Andai, 1879. Bruijn coll.
 1 ♂, Andai. From Bruijn's bunters.
 1, N.W. New Guinea. From Bruijn's bunters, ex coll. Guillemand.
 1 ♀, Konstantinshafen, May 1887. Kubary coll.
 1 ♂, 1 ♀, Simbang, 14. ix. 1899. E. Nyman coll.
 4, Wanambai, Aru Islands, June 1896. C. Webster coll.
 2, Dobbo, Aru Islands, May, June 1896. C. Webster coll.
 1 ♂, Fergusson Island, October 1894. A. S. Meek coll.
 1 ♂ juv., Fergusson Island, 14. v. 1897. A. S. Meek coll., No. 251. "Iris dark brown, bill black with a red streak on under mandible."

We have further 54 skins from Tenimber, Banda, Batjan, Halmahera, Ternate, Sumba, the Key Islands, Teoor, Goram and Tidore, Dammer, Kangean, Sumbawa, Lombok, Flores, Satonda Island, Alor, Australia, and New Zealand.

There can be no doubt that *E. australis* is only a subspecies of *E. orientalis*, to which it is indeed very closely allied, and *E. laetior* and *E. calonyx* must also be treated as subspecies of *orientalis*. It is quite certain, however, that, although they are very similar to *orientalis*, these forms should not "be relegated to the limbo of synonyms," as Mr. Dresser wishes to persuade us. We have adopted Swainson's name because we cannot accept a name which is diagnosed as belonging to a bird with a chestnut head and neck, and a black throat with white borders, for a species without any chestnut at all and with a blue throat without white borders. Mr. Dresser maintains that it would be pedantry to reject the name *pacificus* because the description was bad, the locality being one where the only Roller found is our present species. This is a very unsound argument, for in Latham's time the localities of zoological specimens were not considered of such importance as in our days, and even now it frequently happens that labels are lost or reversed, and this probably happened much more frequently a century ago. We therefore consider it always essential to reject names if the locality alone is supposed to indicate the identification, while the diagnosis is utterly inapplicable.

2. *Eurystomus crassirostris crassirostris* ScL

Eurystomus crassirostris Scaler, P. Z. S. 1869, p. 121 ("Solomon Islands"—errore! We accept New Britain as the typical habitat! There are several species described and mentioned by Scaler as coming from the Solomons, which apparently never came from there, such as *Nasiterina pusio*, *Diceranostreptus megarhynchus*, *Lorius hypoenocheirus*. Unfortunately we have not been able to see the type, but it appears to have had a black tip to the bill, although we have searched in vain for Count Salvadori's remark to that effect, quoted by Dr. Sharpe P. Z. S. 1890, p. 552).

1 ♂, Mysol, 11. ii. 1900. H. Kühn coll. "Iris warm brown, feet bright vermillion mixed with black, bill bright vermillion tipped black." No. 2055.

1 ♀, Mysol, 6. xii. 1883. Powell coll.

2, Bruijn coll. Marked "bought from a hunter who had collected in Waigin and Salwatty."

- 1 ♀, Aimasi, Arfak, 1879. Bruijn coll.
- 1 ♂, Arfak, 6. v. 1875. Bruijn coll. (No. n of Salvadori's list).
- 1 ♀, Stephansort, December 1899. E. Nyman coll.
- 3 ♂♂, Nienra, August 1893. Lix coll.
- 1 ♂, 1 ♀, Mt. Cameron, 19, 20. ix. 1896. A. S. Anthony coll.
- 1 ♂, Goodenough Island, 14. xii. 1896. A. S. Meek coll.
- 2, Fergusson Island, 28. x. 1894. A. S. Meek coll.
- 3 ♂♂, 2 ♂♂, St. Aignan, Louisiades, 13. 18. 27. 27. 29. viii. 1897. A. S. Meek coll., Nos. 787, 801, 901, 902, 924.
- 1 ♂, Sudest Island, Louisiades, 7. iv. 1898. A. S. Meek coll., No. 1685.
- 3 ♂♂, 1 ♀, Rossel Island, Louisiades, 26. 27. i., 3. 4. iii. 1898. A. S. Meek coll., Nos. 1292, 1304, 1527, 1534.

3. *Eurystomus crassirostris solomonensis* Sharpe.

Eurystomus solomonensis Sharpe, P. Z. S. 1890. p. 552 (Solomon Islands: Type Ugi, Brenchley coll.).

This form is very closely allied to *E. c. crassirostris*, but the bill, which in the latter has nearly always a very distinct black tip, is quite red, and the blackish brown colour of the crown extends further on to the interscapulium.

- 1 ♂, 3 ♀♀, Isabel Island. A. S. Meek coll.
- 1, Alu. Woodford coll.
- 1, Fauro. Wahnes and Ribbe coll.
- 2, Gnadaleanar. Woodford coll.
- 1 ♂, 1 ♀, Guadaleanar. A. S. Meek coll.
- 2 ♂♂, 1 ♀, Florida Island. A. S. Meek coll.

4. *Eurystomus crassirostris neohanoveranus* Hart.

Eurystomus neohanoveranus Harttert, Nov. Zool. 1901. p. 185, footnote (Expedition Bay, New Hanover, 22. iii. 1897).

- 1 (type), Expedition Bay, 22. iii. 1897. Capt. Webster coll., No. 511.
- 1, Expedition Bay, 26. ii. 1897. Capt. Webster coll., No. 446.

XVI. PODARGIDAE.

Podargus papuensis Quoy & Gaim.

- 1 ♂, 2 ♀♀, Mysol, 16. i. 4. 4. ii. 1900. H. Kühn coll. "Iris dark blood-red, feet and bill pale greyish brown." Nos. 1896, 2045, 2046.
- 1 ♀ ad., Momos, Waigin, 23. x. 1883. Powell coll.
- 1 ♀ pull., Waigiu. From Bruijn's hunters.
- 1 ♂, 1 ♀, Marai, Jobi, May 1897. W. Doherty coll. (The ♀ very dark, but with some rufous on it).
- 1 ♂, 1 ♀, Jobi. Bruijn coll.
- 1 ♂, same preparation and exactly like the former, probably from Jobi.
- The specimens from Jobi, as well as those from Aru, are rather small, but we do not consider our series sufficient to justify their separation.
- 1 ♂, 1 ♀, Ron Island, July 1897. W. Doherty coll.

1 ♂, Andai, August 1872. D'Albertis coll. (Extremely dark and mixed with rufous; ? wrongly sexed.) (Specimen *c* of Salvadori's list, in *Orn. Pap.* i. p. 515).

1 ad., 1 pull., Dutch New Guinea preparation.

1 ad. (probably ♀), (said to be from Goldie's collection, but probably from Arfak).

2 ♂ ad., Konstantinhafen. Kubary coll.

1 pullus, inland from Holnicote Bay. Rohu coll.

1 ♂, 2 ♀♀, Collingwood Bay, 26. vi. 1897, 31. v., 14. vi. 1899. A. S. Meek coll., Nos. 648, 2539, 2601.

2 ♂♂, Milne Bay, 15. xi. 1898, 19. i. 1899. A. S. Meek coll., Nos. 2150, 2189.

1 ♀, Hall Bay, S. New Guinea, 12. vii. 1875. D'Albertis coll. (Specimen *l* of Salvadori's list in *Orn. Pap.* i. p. 516).

1 ♂ pull., Hall Bay, 1. v. 1875. D'Albertis coll. (Specimen *q* of the list).

1, South-East New Guinea. Goldie coll.

1 melanistic variety, almost quite black, cage-bird, said to have been caught in New Guinea.

2, Cape York.

2, Cooktown.

2. *Podargus intermedius* Hart.

Podargus intermedius Hartert, *Bull. B. O. C.* (December 1895: Kiriwina, Trobriand, type, and Fergusson I.).

1 ♂ ad., Kiriwina, Trobriand, May 18, 1895. "Iris hazel." A. S. Meek coll. (Type!).

2 ♀♀, Kiriwina, Trobriand, 5. iv., 18. v. 1895.

4 ♂♂, 3 ♀♀, Fergusson Island, 18. ix., 25. xi. 1894, 10. ix. 1895, 1. 1. 2. 5. vi. 1897. A. S. Meek coll., Nos. 482, 493, 498, 544, and three without numbers.

2 ♀♀, Goodenough Island, 2. 9. xii. 1896. A. S. Meek coll., Nos. 1, 23.

All the *females* are strongly rufous, the *males* greyish. There is, of course, a good deal of variation in the *females*, but the *males* are much more uniform.

3. *Podargus meeki* Hart.

Podargus meeki Hartert, *Bull. B. O. C.* (October 1898: Sudest Island).

1 ♀ ad., Sudest Island, Louisiades, 9. iv. 1898. A. S. Meek coll. "Iris light hazel, feet yellowish horn, bill dark brown." No. 1701. (Type!).

2 ♂♂, 2 ♀♀, Sudest Island, 5. 5. 9. 9. iv. 1898. A. S. Meek coll., Nos. 1666, 1667, 1700, 1702.

In this curious species the sexes are less different than in the others. The *female* is lacking most of the rufous colour, but they are very much darker, more blotched with blackish brown.

4. *Podargus ocellatus ocellatus* Q. & G.

2 ♂♂, 2 ♀ ad., 2 ♂ pull., Mysol, 19. 20. 20. 24. 24. 26. i. 1900. H. Kühn coll. "Iris chocolate-red, feet and bill pale, yellowish brown." Nos. 1918, 1919, 1920, 1921, 1922, 1923.

3 without locality, but evidently Dutch New Guinea.

1 ♂, Arfak. Bruijn coll.

- 1 ♂, Arfak. Guillemard coll.
 1 pullus, Andai, 7. xi. 1883. Gnillemard coll.
 1 ♀, Kapaur, December 1896. W. Doherty coll.
 4 ♀ ad., Jobi Island, Bruijn coll.
 1 ♀, Ansus, Jobi Island, 12. xi. 1883. Guillemard coll.
 1 ♂, Ansus, Jobi Island, April 1897. W. Doherty coll.
 1 ♀, Konstantinhafen. Kubary coll.
 1 ♂, Finschhafen. Capt. Cotton & Webster coll.
 1 ♂, Simbang, 25. viii. 1899. E. Nyman coll.
 1 ♂, 1 ♀, Collingwood Bay, 9. 25. vi. 1899. A. S. Meek coll., Nos. 2587,
 2646.
 1 ♀, Milne Bay, 27. x. 1898. A. S. Meek coll., No. 2117.
 1 ♂, Chads Bay, 17. ix. 1901. A. S. Meek coll., No. 3607.
 1 ♀, "Between Rivers Laroki and Vanapa, 1897." Emil Weiske coll. (Purchased in London).
 1 ♂, S. New Guinea. Goldie coll.
 1 ♂, Wanambai, Aru Islands, 26. vi. 1896. C. Webster coll.
 1 ♀, Wanambai, Aru Islands, 4. viii. 1900. H. Kühn coll., No. 2492.
 1 ♂, S. Bark, Kobroor, Aru Islands, 24. v. 1900. H. Kühn coll., No. 2266.

5. *Aegotheles salvadorii* Hart.

Aegotheles salvadorii Hartert, Cat. B. Brit. Mus. xvi. p. 649 (1892: Moroka district, Brit. New Guinea).

Aegotheles rufescens Salvadori, Ann. Mus. Gen. xxxvi. p. 71 (1896: Moroka district, Brit. New Guinea).

- 1 ♂, 2 ♀♀, Mt. Cameron, 6000—7000 ft., August 1896. A. S. Anthony coll.
 (The ♂ and one of the supposed females in the brown, 1 ♀ in the rufous plumage).
 1, Mt. Victoria 5000—7000 ft., April—June 1896. (Rufous plumage, sex?)
 3, Mts. of British New Guinea. (1 dark brown, 1 rufous, 1 intermediate.)
 1, said to have been shot between the rivers Laroki and Vanapa. (Brown plumage).
 1, Mt. Gaivara 2000—9000 ft., 1898. (Very rufous plumage).
 1, Moroka district, 3000—6000 ft. (Dark brown plumage).
 1 ♂, 1 sex ?, Aroa River, 4000 ft., August 1899. E. Weiske coll. (Both dark brown).

We are perfectly sure that the rufescent specimens (*i.e.* *rufescens* Salvadori) belong to the same species—*i.e.* *Ae. salvadorii* Hart. One of our specimens is actually intermediate between the *salvadorii* and *rufescens* plumages; they occur together, and have exactly the same dimensions: the light patches on the forehead vary in extent and shade of colour in the rufous as well as in the grey specimens. Probably the reddish examples are females and immature birds.

6. *Aegotheles bennetti* Salvad. et d'Alb.

Aegotheles bennetti Salvadori et d'Albertis, Ann. Mus. Gen. vii. p. 917 (1875: S.E. New Guinea).

- 1, inland from Holnicote Bay. Rohn coll.
 1 ♀, Collingwood Bay, 20. vi. 1899. A. S. Meek coll., No. 2635.
 2 ♂♂, 2 ♀♀, Milne Bay, 12. 24. xi. 1898, 2. 21. ii. 1899. A. S. Meek coll., Nos. 2142, 2157, 2240, 2356.

- 1, "Sogeri district," 2000—3500 ft., 1896. E. Weiske coll.
 1, Brown River, 1898. E. Weiske coll.
 1 ♀, Mt. Gayata, Richardson Range, 2000—4000 ft., 1898. E. Weiske coll.
 3, British New Guinea. E. Weiske coll.

7. *Aegotheles bennetti* subsp. nov. ?

- ♂, Sattelberg, German New Guinea, 800 m., 4. vi. 1899. E. Nyman coll.
 ♀, Simbang, German New Guinea, 4. ix. 1899. E. Nyman coll.

These two specimens are either *Ae. bennetti* or a closely allied subspecies. The male does not differ materially from larger specimens of *Ae. bennetti*. The forehead and broad streaks above the eyes are somewhat rufescent brown, but in a few *bennetti* they are not much less so. The throat and chest is strongly washed with rufescent-brownish, but it looks as if this was partially soiled. The crescent on the hindneck is white. The female is larger than any of our *bennetti*, wing 138 mm. The streaks from the forehead over the eyes are rufous brown, the collar on the hindneck washed with pale rufous, throat and chest also with a rufescent brown wash. It seems thns, that the form from Kaiser-Wilhelm-land is larger (the female being larger than the male!) and more inclined to rufous on the head and throat and chest, but we would like to examine more specimens before separating it from *bennetti*. This doubtful form is evidently closely allied to *Ae. affinis*, but more undulated and vermiculated, not barred, above.

8. *Aegotheles plumifera* Rams.

Aegotheles plumifera Ramsay, Proc. Linn. Soc. N. S. Wales v. viii, p. 21 (1883 : S.E. New Guinea, exact place not given in particular).

- 1 ♂, Goodenough Island, 17. xii. 1896. "Iris light chocolate-brown, feet flesh-colour, washed with yellow, bill dark brown." A. S. Meek coll., No. 78.
 1 pullus, Goodenough Island, 4. xii. 1898. A. S. Meek coll., No. 15.
 2 ♀ ♀, Fergusson Island, 19. v. 1897. "Iris light chocolate-brown, feet light brownish flesh (light yellowish, tinged with pink), bill light fleshy brown, or brownish flesh-colour." A. S. Meek coll., Nos. 307, 308.

These birds are evidently Ramsay's *A. plumifera*, which has hitherto remained unknown in Europe. They have the upperside like *bennetti*, without the large light spots on wing-coverts and scapulars, but the light portions of the forehead are rufous, the middle of the throat is uniform pale rufescent, the underside tinged with rufous, the chest not so finely vermiculated with black. The pullus is above and below blackish brown, vermiculated with buffy white. It is quite possible that the type of *Ae. plumifera* came from Fergusson Island, where Hunstein and Goldie have collected. Their specimens were generally badly labelled, and the localities vaguely stated.

9. *Aegotheles wallacei* Gray.

Aegotheles wallacei G. R. Gray, P. Z. S. 1859. p. 154 (Dorey, Arfak).

- 1 ♂, Wanambai, Kabroor, Arn Islands, 2. ix. 1900. "Iris coffee-brown, feet pale brownish flesh-colour, bill blackish, gape brownish." H. Kühn coll., No. 2432.

10. *Aegotheles albertisii* Sel.*Aegotheles albertisii* Selater, P. Z. S. 1873. p. 696 (Hatam, Arfak).

1 ♂, Arfak. Bruijn coll., No. 7. (Specimen described in Cat. B. xvi. p. 648.)

11. *Aegotheles pulcher* Hart.*Aegotheles pulcher* Hartert, Bull. B. O. C. for Oct. 1898.

1 (without sex), the type, Mts. of British New Guinea. E. Weiske coll.

1 ♀, Aroa River, 4000 ft., January 1900. E. Weiske coll. "Iris braun. Füsse weiss. Schnabel braun."

Like the type, but with fewer whitish spots on the larger wing-coverts and scapulars.

XVII. CAPRIMULGIDAE.

1. *Caprimulgus macrurus macrurus* Horsf.

1 ♂ (moulting), Andai, Dutch New Guinea, 1879. Bruijn coll.

1 ♀, Korrido, October 1896. W. Doherty coll.

1 (immat.), Mt. Moari, near Humboldt Bay, 3000 ft. J. M. Dumas coll.

3 ♂♂, 1 ♀, Milne Bay, October 1898—January 1899. A. S. Meek coll. Nos. 2098, 2164, 2219, 2222.

1 ♂, Samarai, 12. vii. 1897. A. S. Meek coll., No. 712.

1 ♂ ad., British New Guinea. Goldie coll., No. 124.

1 ♀ ad., "Mt. Gayata, 2000—4000 ft." Purchased from McIlwraith & McEacharn in London. (Doubtless coll. by Weiske, acc. to preparation.)

2 ♂♂, 2 ♀♀, Sudest Island, Louisiades, April 1898. A. S. Meek coll., Nos. 1650, 1786, 1787, 1793.

Of the typical *macrurus* we have further: 12 from the Moluccas, Key, Tenimber and Ceram-laut Islands; 2 from Cape York, Queensland; and 21 from Palawan and the Sunda Islands.2. *Eurostopodus argus* Hart.

1 ♀ ad., Babi Island, Aru Islands, 23. ix. 1900. "Iris dark coffee-brown, feet pale brownish, bill blackish." H. Kühn coll., No. 2493. (7 specimens from Australia).

XVIII. CYPSELIDAE.

1. *Collocalia fuciphaga* (Thunb.).

2 ♀♀, Woodlark Island, 23. iii., 3. iv. 1897. A. S. Meek coll., Nos. 157, 185.

1 ♂, 1 ♀, Goodenough Island, 12. xii. 1896. A. S. Meek coll., Nos. 47, 48.

2, Trobriand Islands, 10. 26. iv. 1895. A. S. Meek coll.

1, Fergusson Island, 18. x. 1894. A. S. Meek coll.

4 ♂♂, 2 ♀♀, St. Aignan, Louisiades, 1. ix., 2. 4. xii. 1897. A. S. Meek coll., Nos. 938, 1080, 1097, 1103, 1109, 1111.

2 ♂♂, 2 ♀♀, Sudest Island, 28. iii., 5. 22. iv. 1898. A. S. Meek coll., Nos. 1618, 1619, 1663, 1780.

39 from Java, Kangean, Borneo, Sumatra, Luzon, Palawan, Cebu, Savu, Banda, Solomon Islands, Kiliwoin, Key Islands, Guam and New Hebrides.

2. **Collocalia esculenta** (L.).

3 ♂♂, 2 ♀♀, Woodlark Island, August 11, 1895, Apr. 4, 1897. A. S. Meek coll., No. 186; four without numbers.

2 ♀♀, Kiriwina, Trobriand group, 5. iii., 10. iv. 1895. A. S. Meek coll.

4 ♂♂, 1 ♀, St. Aignau, 11. viii., 1. ix., 4. xii. 1897. A. S. Meek coll., Nos. 942, 943, 944, 989, 1098.

1, British New Guinea. E. Weiske coll.

1 ♀, Efbee, Mysol, 27. xi. 1883. Guillemard coll.

27 from Isabel (Solomon Islands), New Hebrides, Obi, Kilsoein in the Koer group, Amboina, Buru, ? New Ireland, Bonthain Peak on Celebes, Indrulaman near the Bonthain Peak, Kalao.

3. **Macropteryx mystaceus mystaceus** (Less.).

1 ♂, 2 ♀♀, Mysol, 8. 11. ii. 1900. H. Kühn coll. "Iris coffee-brown, bill and feet black." Nos. 2047, 2048, 2049.

1 ♀, Wokan, Aru Is., 4. x. 1900. H. Kühn coll., No. 2560.

1 ♀, Trangan, Aru Is., 20. ix. 1900. H. Kühn coll., No. 2559.

3, Wanambai, Aru Is., June 1896. Capt. C. Webster coll.

1 ♂, Mafor, May 1897. W. Doherty coll.

1 ♂, Andai, 1897. Bruijn coll.

1 ♂, Arfak. Bruijn coll. (Specimen *b* of Salvadori's list).

2 ♀♀, Mansinam, 3. v. 1875. Bruijn coll. (Specimen *a* of Salvadori's list).

1 ♀, Kafu, May 1884. Bruijn coll.

1 ♂, Waigiu. Bruijn coll. (Specimen *h* of Salvadori's list).

1 " ♂ ", Ansus, Jobi, 1879. Bruijn coll. (Is a *female*!)

1 ♂, 3 ♀♀, Takar, November 1896. W. Doherty coll.

3, Expedition Bay, New Hanover. C. Webster coll.

2 ♂♂, 2 ♀♀, Milne Bay, 24. x., 4. 5. xi. 1898, 9. iv. 1899. A. S. Meek coll., Nos. 2103, 2126, 2129, 2547.

1 ♂, 2 ♀♀, Mailu district, British New Guinea. A. S. Anthony. July, August 1895.

1, " Fly River " (?), purchased from the late H. Whitely.

13 from Buru, Amboina, Batjan, Halmahera, and Obi.

XIX. CAMPEPHAGIDAE.

1. **Graucalus caeruleogrisea** (Gray).

Campephaga caeruleogrisea G. R. Gray, P. Z. S. 1858, pp. 179, 193 (Ara).

2 ♂ ad., Wanambai, Aru Is., 26, 27. vi. 1896. Capt. C. Webster coll.

1 ♂, Hatam, Arfak, 28. vi. 1875. Beccari coll. (Specimen *e* of the list).

1 ♂, Arfak, Bruijn coll. (Specimen *b* of Salvadori's list).

1 ♀, Dorey. Powell coll.

1 ♀, Mansinam, November 1883. Guillemard coll.

1 ♂, Arfak. Bruijn coll.

1 ♂, Papuan preparation.

2 ♂♂, Mt. Maori, near Humboldt Bay, 3000 ft., January 1899. J. M. Dumas coll.

1 ♂, 1 ♀, Sattelberg, German New Guinea, 9. 25. vi. 1899. E. Nyman coll.

- 1 ♂, "Sogeri district, 2000—3000 ft.," bought from Mellwraith.
 1 ♀, Kotoi district, 29. viii. 1898. Anthony coll.
 1 ♂ ad., Mt. Cameron, 5000 ft., 7. ix. 1896. Anthony coll.
 1 ♂, Brit. New Guinea, no exact locality.
 1 ♂, between rivers Laroki and Vanapa, 1897. E. Weiske coll.
 1 ♀, Milne Bay, 28. iii. 1899. A. S. Meek coll., No. 2417.

2. *Graucalus boyeri boyeri* (Gray).

Campetheria boyeri G. R. Gray, *Gen. B. I.* p. 283 (1846: ex Hombron et Jacquin. W. coast N. Guinea).

- 1 ♀, Mysol, November 1883. Guillemand coll.
 1 ♂, 1 ♀, Marai, Jobi, April 1897. W. Doherty coll. "Iris deep brown, bill and feet black."
 1 ♀, Konstantinhafen, German New Guinea. Kubary coll.

3. *Graucalus boyeri subalaris* Sharpe.

Graucalus subalaris Sharpe, *Mitt. Zool. Mus. Dresden* i. 3. pp. 364. 366 (1878: Fly River)

- 1 ♂ ad., 1 ♂ juv., Mullen's Harbour, S. coast Brit. New Guinea, 8. 10. ii. 1900. A. S. Meek coll., Nos. 3574, 3585.
 2 ♂ ad., Milne Bay, 3. xi. 1898, 29. i. 1899. A. S. Meek coll., Nos. 2123, 2207.
 1 ♀ Collingwood Bay, 5. vi. 1899. A. S. Meek coll., No. 2565.

This can hardly even rank as a subspecies, the only difference being a very slightly larger bill and a lighter shade of the cinnamon-rufous axillaries and under wing-coverts.

4. *Graucalus melanops* (Lath.).

Corrus melanops Latham, *Ind. Orn. Suppl.* ii. p. xxiv. (1801: "hab. in Nova Hollandia.")

- 1 ♀ juv., "Efhee," Mysol, 27. xi. 1883. Guillemand coll..
 1 ad., Wanambai, Kobroor, Aru, 4. vii. 1896. Capt. C. Webster coll., No. 249.
 2 ♀ ad., Wanambai, Kobroor, Aru, 1. 3. ix. 1900. H. Kühn coll., Nos. 2501, 2502.
 2 ♀ ad., Wokan, Aru, 26. ix., 1. x. 1900. H. Kühn coll., Nos. 2503, 2504.
 1 ♀ ad., 4 ♂ juv., St. Aignan, August 1897. A. S. Meek coll., Nos. 736, 738, 785, two without numbers.
 1 ♂, 2 ♀ ad., Fergusson Island, 31. v., 14. vi. 1897. A. S. Meek coll., Nos. 479, 612, 616.
 1 ♂, Nicura. Lix coll.

Besides these we have 4 specimens from the Key Islands, 1 from Sula Besi, 2 from Timor, 1 from New Zealand, and 14 from various parts of Australia.

5. *Graucalus longicauda* De Vis.

Graucalus longicauda De Vis, *Report New Guinea for 1889.* p. 59 (1890: Musgrave Range).

Grauculus corvinus Reichenow, *Orn. Monatsber.* 1900. p. 187 (Aroa River, British New Guinea).

- 1 ♂ ad., Aroa River, 5000 ft., December 1899. E. Weiske coll.
 1 ♂, 1 ♀ ad., Mt. Victoria, 11,000 ft., 23. viii. 1898. Anthony coll.
 1 ad., Mt. Victoria, 5000—7000 ft., April—June 1896. Purchased from Mellwraith.

6. *Graucalus papuensis hypoleucus* Gould.*Graucalus hypoleucus* Gould, P. Z. S. 1848. p. 38 (Port Essington, Australia).

- 1 from the Godeffroy Museum, perhaps Bowen, Australia (?).
 1 ♀, Cooktown, 30. vi. 1899. Olive coll.
 1 ♂, Cape York, 21. vi. 1898. Eichhorn coll. (Meek.)
 1, Thursday Island. Purchased from Gerrard.
 1, Port Moresby. Purchased from Gerrard.
 1, Nicura, British New Guinea. Lix coll.
 1, inland from Holnicote Bay. Rohn coll.
 1 ♂, Dobbo (Wammer), Aru, 28. xi. 1897. H. Kühn coll.
 1 ♂, Dobbo, Aru, February 1897. W. Doherty coll.
 1, Dobbo, Aru, 10. vi. 1896. C. Webster coll. (From spirits.)
 Inhabits Australia, Aru, and S.E. New Guinea.

7. *Graucalus papuensis elegans* Rams.*Graucalus elegans* Ramsay, Proc. Linn. Soc. N.S.W. vii. p. 22 (1882: Guadalecanar).

- 17 specimens from Guadalecanar, Florida, Isabel, Alu, Munia, and Rubiana Islands.
 Inhabits the Solomon archipelago.

8. *Graucalus papuensis louisianensis* Hart.*Graucalus papuensis louisianensis* Hartert, Nov. ZOOL. 1898. p. 524 (Sudest Island).

- 6 specimens from Sudest Island.
 Inhabits the Lonisia islands, only known from Sudest.

9. *Graucalus papuensis papuensis* (Gm.).*Corvus papuensis* Gmelin, Syst. Nat. i. p. 371 (ex Daubenton & Latham; "hab. in Nova Guinea").

- 7 from Halmahera, including specimens *m*, *n*, *p* of Salvadori's list in *Orn. Pap.* ii.
 5 Obi, 5 Batjan, 2 Morty.
 2, Salwatty, 1861. A. R. Wallace coll.
 1 ♂, Mysol, November 1883. Guillemard coll.
 4 ♂♂, Mysol, January—February 1900. H. Kühn coll.
 1, Dorey, Bruijn coll. (Specimen *d* of Salvadori's list.)
 1 ♂, Dorey, June 1897. W. Doherty coll.
 1 ♂, Andai, 1879. Bruijn coll.
 2, Kapanur, February 1897. W. Doherty coll.

Having carefully examined all this material, we have come to the conclusion that it is impossible to separate the Moluccan birds, which have been called *melanotora* by Gray, from the (typical) New Guinea form.

10. *Graucalus papuensis stephani* Mey.*Graucalus stephani* A. B. Meyer, Abh. Ber. k. Zool. Mus. Dresden 1890-91. No. 4. p. 9 (1892: Stephansort).

- 1 ad. skin, Konstantinhafen, German New Guinea. Kubary coll.

This form agrees with *G. p. papuensis* in coloration, but is much smaller, having the same dimensions as *G. p. hypoleucus*, from which it differs in the grey throat and breast. The chin and throat are not at all whiter than in *G. p. papuensis*.

11. *Graucalus papuensis sclateri* Salvad.

Graucalus sclateri Salvadori, Ann. Mus. Civ. Gen. xii. p. 325 (1878 : New Ireland).

1 ad., New Britain. Th. Kleinschmidt coll., No. 16845, Mus. Godeff.

6 specimens, said to be from New Ireland. Purchased in London.

1 ♂, 1 ♀, Expedition Bay, New Hanover, August 1897. C. Webster coll.

This may briefly be described as a gigantic *papuensis*, with somewhat whiter underside.

12. *Graucalus maforensis* (Mey.).

Cancephaya maforensis A. B. Meyer, Sitzber. k. Ak. Wiss. Wien Ixix. p. 386 (1874 : Mafor).

1 ♂ ad., Mafor, May 1897. W. Doherty coll. "Iris bright yellow, feet and bill black."

13. *Graucalus axillaris* Salvad.

Graucalus axillaris Salvadori, Ann. Mus. Civ. Gen. vii. p. 925 (1875 : "Mansema").

1 ♀, said to be from the Amboernob River. J. M. Dumas coll.

1 ♀, Mt. Maori, 3000 ft., January 1899. J. M. Dumas coll.

2, ♂ ♀ ad., Aroa River, 3000—7000 ft., August—September 1899. E. Weiske coll.

1 ♂ ad., 1 ♂ juv., without exact locality. E. Weiske coll.

14. *Edoliisoma melas melas* (Less.).

Lanius melas Lesson, Man. d'Orn. i. p. 128 (1828 : "La Nouvelle-Guinée, au havre du Doréy" = Dorey). (There is no reason whatever for rejecting Lesson's name.)

5 ♂♂, 4 ♀♀, Kapanr, December 1896—February 1897. W. Doherty coll.
♂ ♀ : "Iris deep brown, bill and feet black."

3 ♂♂, Takar, October 1896. W. Doherty coll.

1 ♂, Andai, April 1874. Bruijn coll. (Specimen *b* of Salvadori's list in Orn. Pap. ii.)

1 ♀, Dorey, April 1874. Bruijn coll. (Specimen *r* of the list.)

3 ♂♂, Sorong, July 1875. Bruijn coll. (Specimens *h*, *i*, *k* of the list.)

1 ♀, ex Bartlett coll., said to have been taken in N. Guinea by Wallace.

1 ♂, Kobroor, Aru, 23. viii. 1900. H. Kühn coll., No. 2285.

1 ♀, Trangan, Aru, 21. ix. 1900. H. Kühn coll., No. 2572.

1 ♀, Chabrol Bay, Waigiou, 25. x. 1883. Powell coll.

The female from Trangan differs from the rest of our series, being very dark and somewhat small, but it would require a series to decide whether these differences are constant or not.

Our three Takar males (females not available) have remarkably small bills.

15. *Edoliisoma melas tommasonis* subsp. nov.

The females of this form are at once recognisable by their uniformly bright rufous coloration above, as opposed to the darker and much more brownish upper-side of the Western New Guinean *melas*. The males are apparently perfectly similar to those of typical *melas*, except that the bill is generally a little wider.

Habitat: Jobi Island, in the Geelvink Bay ; type : ♀, Ansus, Jobi, 12. xi. 1883. Powell coll., No. J. 965.

We have the following specimens in addition to the type :—

1 ♂ ad., Ansus, Bruijn coll. (Specimen *m* of Salvadori's list on p. 145 in *Orn. Pap. ii.*)

3 ♂ ad., 2 ♂ imm., 1 ♀, Marai, Ansus, Marayari, Jobi, April—May 1897. W. Doherty coll.

This form is named in honour of the Conte Tommaso Salvadori, the celebrated authority on Papuan birds.

16. *Edoliisoma melas meeki* subsp. nov.

The females of this new form differ from those of *E. m. melas* by their paler upper surface and much lighter cinnamon-buff instead of pale rufous brown, underside. The males are quite similar, except that the bill is smaller than in most of the typical *melas*.

Habitat: British New Guinea and the Fly River. Type : ♀ ad., Milne Bay, 11. iv. 1899. A. S. Meek coll., No. 2458.

We have, in addition to the type, the following specimens :—

2 ♂ ad., 1 ♂ juv., Milne Bay, February and April 1899. A. S. Meek coll., Nos. 2350, 2301, 2472.

1 ♂ ad., Fly River, 11. ix. 1877. D'Albertis coll., No. 615. (Specimen *q* of Salvadori's list.)

1 ♂ ad., 1 ♂ imm., 1 ♀, said to be from the Fly River, bought of Whitely. (Appear to be D'Alhertis skins.)

1 ♂ ad., 1 ♂ imm., 3 ♀ ♀. E. Weiske coll., no exact locality.

1 ♂ imm., Eafa district, 1000—3000 ft. Anthony coll.

1 ♂ ad., Oriori district, 4. i. 1896. Anthony coll.

1 ♂ ad., Mt. Camerou, 8. ix. 1896. Anthony coll.

17. *Edoliisoma montana* (Meyer).

Campyphaga montana A. B. Meyer, *Sitzber. k. Ak. Wiss. Wien* lxix. p. 386 (1874 : Arfak).

1 ♂, Arfak, June 1874. Bruijn coll. (Specimen *a* of Salvadori's list in *Orn. Pap. ii.* p. 147).

1 ♂, Arfak, 1879. Bruijn coll.

2 without localities.

1 ♂, Matahitang in the Mts. of British New Guinea. H. O. Forbes coll., No. 10.

2 ♂♂, Matahitang, Mts. of British New Guinea, purchased from McIlwraith and McEacharn.

1 ♂ juv. (moulting), said to be from the Moroka district, purchased from McIlwraith and McEacharn.

3 ♂♂, 2 ♀ ad., Mt. Cameron. Owen Stanley Range, July and August 1896. A. S. Anthony coll.

Specimens from British New Guinea have as a rule shorter wings and shorter bills than those from the typical locality (Arfak), but there is much variation, and we require more material for naming the S.E. New Guinea form.

18. ***Edoliisoma schisticeps schisticeps* (Gray).**

Campephaga schisticeps G. R. Gray, *Gen. B.* i. p. 283 (1846: ex Hombron & Jacq. *Voy. Pôle Sud, Atlas*, Pl. X. fig. 1. Typical loc., W. coast of New Guinea).

2, ♂ ♀, Mysol, June 1867. Hoedt coll., Nos. 187, 188. (Exchanged from the Leyden Museum.)

2 ♂♂, 4 ♀♀, Mysol, January 1900. H. Kühn coll., Nos. 1814, 1819, 1820, 1883, 1885, 1915. "Iris deep brown (black), bill and feet black."

1 ♀, Kapaur, December 1896. W. Doherty coll.

19. ***Edoliisoma poliopse poliopse* Sharpe.**

Edoliisoma poliopse Sharpe, *Journ. Linn. Soc. London, Zool.* xvi. p. 318 (1882: "Morocco" in Astrolabe Mts.).

1 ♀, Matahitang, Mts. Brit. N. Guinea. H. O. Forbes coll., No. 11.

1 ♀, 1 ♂ juv., Mt. Gayata, Richardson Range, 2000—4000 ft. Purchased from Mellwraith and McEacharn. (Apparently E. Weiske's skins.)

20. ***Edoliisoma* spec. nov.?**

We have one specimen, marked "female," collected by Mr. A. S. Meek on Fergusson Island, D'Entrecasteaux Group, May 16th, 1897, which agrees above with the females of *E. s. schisticeps* and *E. s. poliopse*, except that it is less bright rufous cinnamon, more brownish, but the underside is much paler and **barred with black**, each feather having two narrow black cross-bars, the lower abdomen only being uniform. This bird belongs most likely to an undescribed species: but it is desirable to have more material before describing it. The bird can hardly be the young of *E. s. poliopse*, because some sprouting feathers are also barred; moreover, we have a young male of *E. s. poliopse* from Mt. Gayata which is totally unbarred below, though evidently young, a few greyish-blue feathers (of the adult plumage) beginning to appear.

21. ***Edoliisoma remotum* Sharpe.**

Edoliisoma remotum Sharpe, *Mittheil. Zool. Mus. Dresden* i. 3. p. 369 (1878).

1 ♂, 2 ♀♀, Expedition Bay, New Hanover, March 1897. Capt. Cayley Webster coll.

22. ***Edoliisoma amboinensis mülleri* Salvad.**

3 ♂ ad., 1 ♂ vix ad., 2 ♀ ad., Woodlark Island, January, March, April, May 1897. A. S. Meek coll., Nos. 163, 169, 179, 180, 232, 234.

2 ♂♂, 1 ♀, Fergusson Island, September, October 1894. A. S. Meek coll.

3 ♂ ad., Fergusson Island, May and June 1897. A. S. Meek coll., Nos. 324, 563, 483.

1 ♂ ad., Milne Bay, 3. iv. 1899. "Iris dark brown, feet slaty black, bill black." A. S. Meek coll., No. 2439.

1 ♂ immat., Collingwood Bay, 5. vi. 1899. A. S. Meek coll., No. 2571.

2 ♂♂, Sattelberg, Kaiser Wilhelm's Land, 3. vi. 1899. E. Nyman coll.

1 ♂ ad., 1 ♂ juv., 1 ♀ juv., Simbang, August 1899. E. Nyman coll.

23. ***Edoliisoma amboinensis aruensis* Sharpe.**

Edoliisoma aruensis Sharpe, *Mith. Zool. Mus. Dresden* i. 3. p. 369 (1878 : Lutor, Aru).

2, ♂ ♀, Dobbo, Aru Islands, 1896. Capt. Cayley Webster coll.

1 ♀, Dobbo, Aru Islands, 11. viii. 1900. H. Kühn coll., No. 2417.

1 ♂, 1 ♀, Sg. Wanambai, Kobroor, September 1900. H. Kühn coll., Nos. 2416, 2566.

1 ♀, Wokan, Aru Islands, 17. viii. 1900. H. Kühn coll., No. 2414.

1 ♀, Trangan, Aru Islands, 13. ix. 1900. H. Kühn coll., No. 2565.

Sharpe and Salvadori quote both *müllerii* and *aruensis* for the Aru Islands, but we are convinced that all Aru birds belong to *aruensis*. *E. a. aruensis* is merely the Aru form of *müllerii*, and differs only in its smaller size, especially smaller bill. The alleged differences of the browner back, more rufous underside, and less grey pileum, do not exist. Salvadori appears to have examined only females of the supposed *müllerii* from Aru, Sharpe none at all.

24. ***Edoliisoma neglectum* Salvad.**

Edoliisoma neglectum Salvad., *Ann. Mus. Civ. Gen.* xv. p. 36 (1879 : Mafor, Beccari coll.).

5 ♂ ad., 1 ♂ fere ad., 3 ♂ juv., 3 ♀ ♀, Mafor, May—June 1897. W. Doherty coll. “ Iris dark brown.”

A very interesting form, the male being very much like that of *müllerii*, the female much like that of *meyeri*, but larger.

25. ***Edoliisoma meyeri meyeri* Salvad.**

Edoliisoma meyeri Salvadori, *Ann. Mus. Civ. Gen.* xii. p. 327 (1878 : Misori).

1 “ ♂ ” (juv.), Korido 1879. Bruijn coll.

1 “ ♀,” Korido 1879. Bruijn coll.

26. ***Edoliisoma meyeri sharpei* subsp. nov.**

One adult male, collected by J. M. Dumas on the north coast of Dutch New Guinea, in 1900, differs from *E. m. meyeri* by its smaller size, more bluish grey colour, wider black line from the eyes to the forehead, blacker throat, and less extended greyish white inner wing-linings.

Wing 115, tail 89, tarsus 22, bill 17.5 mm.

(Type : No. 975, Ms. Tring.)

27. ***Campochaera sloetii flaviceps* Salvad.**

[*Campephaya sloetii* Schlegel, *Ned. Tijdschr. Dierk.* iii. p. 253 (1866: typ. loc. Seleh, New Guinea).] *Campochaera flaviceps* Salvad., *Ann. Mus. Civ. Gen.* xv. p. 38 (1879: Fly River, ♂, and Mt. Epa, ♀).

1 ♂ ad., British New Guinea, 1898.

1 ♂ ad. (from spirits), Mt. Victoria, Owen Stanley Range, 5000—7000 ft., April—June 1896.

1 ♀ ad., Mt. Victoria, Owen Stanley Range, 5000—7000 ft.

28. **Lalage leucoptera** (Schleg.)

Campephaga leucoptera Schlegel, *Ned. Tijdschr. Dierk.* iv. p. 45 (1871: Misori).

3 ♂♂, 1 ♀, Korido, 1879. Bruijn coll.

1 ♂ ad., Korido, October 1896. "Iris deep brown, feet grey with white soles, bill black." W. Doherty coll.

1 ♂ ad., Biak, October 1896. W. Doherty coll.

29. **Lalage atrovirens** Gray.

Campephaga (Lalage) atrovirens Gray, *P. Z. S.* 1861. p. 430 (typ. loc. Mysol).

1 ♂, 1 ♀, Mysol, July 1867. Hoedt coll. (Exchanged from the Leyden Museum), Nos. 212, 214.

4 ♂♂, 3 ♀♀, Mysol, January 1900. "Iris very dark brown, bill and feet black." H. Kühn coll., Nos. 1806, 1807, 1808, 1809, 1810, 1811, 1812.

1 ♂♂, 2 ♀♀, Ron Island, July 1897. W. Doherty coll.

30. **Lalage karu karu** (Less.)

Lanius karu Lesson, *Voy. Coqu., Ois. Atlas Pl. XII.* (1826: New Ireland).

1 ♂, New Britain, 8. vii. 1886. Kubary coll., No. 88.

1 ♀, New Britain, 23. v. 1886. Kubary coll., No. 42.

1 ♂, New Britain, 18. viii. 1880. Th. Kleinschmidt coll., No. 452.

1 ♂, Duke of York Island, 4. xi. 1880. Th. Kleinschmidt coll., No. 496.

1 ♀, Duke of York Island, October 1880. Th. Kleinschmidt coll., No. 487.

3 ♂♂, 3 ♀♀, Sudest Island, Louisiades, March—April 1898. A. S. Meek coll., Nos. 1607, 1696, 1632, 1637, 1707, 1737.

4 ♂♂, 2 ♀♀, St. Aignan, Louisiades, August 1897. A. S. Meek coll., Nos. 734, 782, 788, 803, 806, 807.

31. **Lalage karu polygrammica** (Gray).

Campephaga polygrammica G. R. Gray, *P. Z. S.* 1858. p. 179 (Aru).

1 ♂ ad., 1 ♀, Wokan, Aru, 29. 30. ix. 1900. H. Kühn coll., Nos. 23, 25. "Iris dark brown, feet plumbeous, bill black."

1 ♂ juv., Wanambai, Kobroor, Aru, 1. ix. 1900. H. Kühn coll., No. 2374.

1 ♂, Trangan, Aru, 18. ix. 1900. H. Kühn coll., No. 256.

2 ♂♂, Milne Bay, Brit. N. Guinea, February 1899. A. S. Meek coll., Nos. 2228, 2346.

1 ♀, Nieura, Brit. N. Guinea. Lix coll.

1 ♀, Matahitang, Brit. N. Guinea. H. O. Forbes coll.

1 ♀, Kotoi district, Brit. N. Guinea. A. S. Anthony coll.

2 ♂♂, Moroka district, Brit. N. Guinea. A. S. Anthony coll.

1 ♂, 1 ♀, Fergusson Island, 20. ix. 1894. A. S. Meek coll.

1 ♂ ad., Goodenough Island, 17. xii. 1896. A. S. Meek coll., No. 71.

XX. NEOTARINIIDAE.

1. *Cinnyris aspasia maforensis* (A. B. Meyer).

Chalcostetha aspasia var. *maforensis* Meyer, *Sitzber. K. K. Akad. Wiss. Wien* lxx. p. 123 (1874 : Mafor).

10 ♂ ad., 4 ♀ ad., 4 ♂ juv., Mafor Island, June 1897. W. Doherty coll.
Crown brilliant golden, throat purple-blue.

2. *Cinnyris aspasia mysorensis* (A. B. Meyer).

Chalcostetha aspasia var. *mysorensis* Meyer, *Sitzber. K. K. Akad. Wiss. Wien* lxx. p. 124 (1874 : Misori.)

2 ♂♂, "Kordo," 1879. Bruijn coll.
1 ♂, 2 ♀ ♀, Korrido, October 1896. W. Doherty coll.
1 ♂ juv., Biak, October 1896. W. Doherty coll.
Crown bronzy steel-green ; throat purple.

3. *Cinnyris aspasia aspasia* Less.

Cinnyris aspasia Lesson, *Voy. Coqu. Zool.* i. p. 576. No. 100. Pl. XXX. fig. 4 (1826-28 : type from Dorey !).

1 ♂, Dorey, 3. vi. 1875. Bruijn coll. (Specimen *b* of Salvadori's list).
1 ♂, Dorey, June 1897. W. Doherty coll.
1 ♂, Sorong, 28. iv. 1875. Bruijn coll. (Specimen *l* of Salvadori's list).
2 ♂ juv., Takar, October—November 1896. W. Doherty coll.
1 ♂, Mansinam, 30. iii. 1875. Bruijn coll. (Specimen *f* of Salvadori's list).
1 ♂, Fly River, 18. vii. 1877. D'Albertis coll.
1 ♂, Kafu, May 1884. Bruijn coll.
6 ♂ ad., 5 ♀ ad., 2 ♂ juv. Ron Island, Geelvink Bay, November 1896, June—July 1897. W. Doherty coll.

2 ♂♂, 1 ♀, Ansus, Jobi Island, April—May 1897. W. Doherty coll.
1 ♂ Asna, Jobi Island, May 1897. W. Doherty coll.
1 ♂, Marai, Jobi Island, May 1897. W. Doherty coll.

The Jobi form has been separated by Meyer as a subspecies, under the name of *jobiensis*. We have carefully compared our examples with a large series of true *aspasia* from New Guinea, and cannot possibly confirm the alleged differences of the Jobi form.

1 ♂ ad., Terfia Island, October 1896. W. Doherty coll.
4 ♂ ad., 1 ♂ juv., 2 ♀ ad., Kapaur, December 1896. W. Doherty coll.
2 ♂ ad., 1 ♂ juv., 1 ♀ ad., said to be from the mouth of the Amboernoh River.
J. Dumas coll.

1 ♂ ad., 2 ♂ juv., Mysol, 1. 6. 8. ii. 1900. H. Kühn coll., Nos. 1984, 2017, 2020.

The adult male appears to have the throat very blue, and a series may prove the Mysol form to be a distinct subspecies.

1 ♂ ad., 2 ♀ ♀, Stephansort, January 1899. E. Nyman coll.
6 ♂ ad., 3 ♂ juv., 5 ♀ ♀. Friedrichwilhelmshafen, October 1899. E. Nyman coll.

3 ♂ ad., Mt. Cameron 3000—4000 ft., August 1896. A. S. Anthony coll.
3 ♂ ad., Kotoi district, 4000 ft., August 1898. A. S. Anthony coll.

4. *Cinnyris aspasia chlorocephala* (Salvad.)

Chalcostetha chlorocephala Salvadori, *Ann. Mus. Cir. Gen.* vi. p. 78 (1874 : Wokan, Aru).

1 ♂ ad., Trangan Island, Aru, 14. ix. 1900. H. Kühn coll.

1 ♀, Dobbo, Aru, February 1897. W. Doherty coll.

This form differs from *C. a. aspasia* by the more steely-bluish gloss of the crown, and is somewhat large.

5. *Cinnyris aspasia cornelia* (Salvad.).

Hermotimia cornelia Salvadori, *Atti R. Acc. Soc. Torino* xiii. p. 319 (1878 : Taraway, D'Urville Islands).

1 ♂ ad., Taraway, May 1884. Bruijn coll., "No. 11."

2 without localities.

This form seems to differ by its somewhat larger size and more uniform splendid reddish purple throat. The two specimens without labels agree fully with the Taraway male except that they are still larger !

6. *Cinnyris aspasia corinna* (Salvad.).

Hermotimia corinna Salvadori, *Atti R. Acc. Soc. Torino* xiii. p. 532 (1878 : Duke of York Islands).

1 ♂ ad., Duke of York Islands, January 1881. Th. Kleinschmidt coll.

1 ♂ ad., Duke of York Islands. F. Hübner coll.

2 ♀♀, New Britain, 25. iv., 9. vii. 1886. Kubary coll.

4 ♂ ad., 2 ♂ juv., 2 ♀♀, New Ireland. Coll. by a missionary.

7. *Cinnyris aspasia christiana* Tristr.

Cinnyris christiana Tristram, *Ibis* 1839. p. 555 (St. Aignan).

3 ♂ ad., 1 ♀ ad., 1 ♂ juv., 1 ♀ juv., St. Aignan, August, September 1897. A. S. Meek coll., Nos. 617, 687, 774, 778, 954, 1017, 1018.

3 ♂ ad., Sudest Island, March, April 1898. A. S. Meek coll., Nos. 1624, 1625, 1743.

6 ♂ ad., 2 ♂ juv., 4 ♀♀, Fergusson Island, September 1894—March 1895. A. S. Meek coll.

1 ♂ ad., Fergnsson Island, 27. vi. 1897. A. S. Meek coll., No. 456.

5 ♂ ad., 1 ♀, Woodlark Island, 16. 22. 24. 26. iii., 4. 9. iv. 1897. A. S. Meek coll., Nos. 116, 147, 157, 171, 189, 206.

7 ♂ ad., 4 ♂ juv., 3 ♀♀, Simbang, Huon Gulf, German New Guinea, August, September 1899. E. Nyman coll.

C. a. christiana is very closely allied to *C. a. corinna* of the Bismarck archipelago, and differs only in its more steely blue throat and rather larger size. It is most remarkable that two forms of *C. aspasia* occur in German New Guinea, in view of the enormous area inhabited by *C. a. aspasia*, which occupies nearly the whole of Papua, but it is still more extraordinary that the form from the D'Entrecasteaux and Louisiades reoccurs on the Huon Gulf, and yet is different from the Bismarck archipelago form. We have not received any *Cinnyris* of this group from the coast-line stretching from the Huon Gulf to the D'Entrecasteaux group, although we had collections from Milne Bay and Collingwood Bay.

8. *Cinnyris frenata frenata* (S. Müll.)

Nectarinia frenata S. Müller, Verh. Nat. Gesch., Land- und Volkenkunde p. 173 (1843 Lobo, New Guinea).

- 2 ♂ juv., Mysol, 11. i. 1900. H. Kühn coll., Nos. 1822, 1825.
- 3 ♂♂, 1 ♀, Salwatty, May—June 1875. Bruijn coll. (Specimens *i*, *u*, *v*, *g'*, of Salvadori's list in *Orn. Pap.* ii. pp. 266, 267.)
- 1 ♂ ad., Sorong, May 1872. D'Albertis coll. (Specimen *j'* of Salvadori's list).
- 2 ♂ ad., 1 ♀, Dorey, March 1874. Bruijn coll. (Specimens *p'*, *q'*, *s'*, of Salvadori's list.)
- 3 ♂ ad., 1 ♀, Mansinam, 1876, 1879. Bruijn coll.
- 1 ♂ ad., Mansinam, 30. iii. 1875. Beccari coll. (Specimen *x'* of Salvadori's list).
- 1 ♂ ad., 1 ♂ juv., 1 ♀, Auns, North Coast of New Guinea, long. 139° 30'. October, 1896. W. Doherty coll.
- 1 ♂ ad., 1 ♀ ad., Ron Island, June—July 1897. W. Doherty coll.
- 2 ♂ ad., 1 ♀, Kapant, December 1896, February 1897. W. Doherty coll.
- 1 ♂ ad., 1 ♀ ad., Yamna Island, October 1896. W. Doherty coll.
- 1 ♂ ad., Terfia, October 1896. W. Doherty coll.
- 1 ♀ ad., Takar, October 1896. W. Doherty coll.
- 2 ♂ ad., 2 ♀ ad., Mafor, May 1897. W. Doherty coll.
- 1 ♂ ad., 1 ♀ ad., 1 ♂ juv., Ansns, Jobi, May 1897. W. Doherty coll.
- 1 ♂ ad., Etna Bay, 1. viii. 1896. C. Webster coll.
- 2 ♂ ad., 1 ♀ ad., New Ireland. Missionary coll.
- 1 ♂ ad., New Britain, 11. xi. 1880. Dr. O. Finsch coll., No. 417.
- 1 ♂ ad., 1 ♀ ad., Goodenough Island, 18. 19. xii. 1896. A. S. Meek coll., Nos. 74, 85.
- 2 ♂ ad., 2 ♀ ad., Fergusson Island. September—October 1896, January 1895. A. S. Meek coll.
- 2 ♂ ad., Friedrichwilhelmshafen. 16. 17. x. 1899. E. Nyman coll.
- 1 ♂ ad., Simbang, Huon Gulf, 19. viii. 1899. E. Nyman coll.
- 1 ♂ ad., Stephansort, 13. i. 1899. E. Nyman coll.
- 1 ♂ juv., Ynle Island, 9. iv. 1875. D'Albertis coll. (Specimen *e'''* of Salvadori's list).
- 1 ♂ ad., Naiabui, September 1872. D'Albertis coll. (Specimen *x''* of Salvadori's list).
- 1 ♂ ad., Manieri Island, Aru Islands, 19. xi. 1897. H. Kühn coll., No. 350.
- 1 ♂ ad., Meriri Island, Aru Islands, 23. xi. 1897. H. Kühn coll., No. 353.
- 1 ♂ ad., 1 ♀, Dobbo, Aru Island, 16. xi., 12. viii. 1900. H. Kühn coll., Nos. 354, 354A.
- 1 ♂ ad., 1 ♀ ad., Trangan Island, Aru Islands, 13. 19. ix. 1900. H. Kühn coll.
- 1 ♂ ad., Wokan Island, Aru Islands, 29. ix. 1900. H. Kühn coll.
- Dr. Heinroth (*J. f. O.* 1903. p. 85) has separated the birds from New Britain, under the name of *C. frenata flava*, asserting that the upperside was more yellow than in New Guinea specimens. He has kindly lent us his types for comparison. Unfortunately, we are, after a careful comparison of our large material, unable to confirm his statement. His birds certainly were much yellower than the majority of our New Guinea skins, but three specimens from Auns which are in fresher plumage than the rest are as yellow, and even yellower, than Solomon Islands specimens, which agree exactly with Dr. Heinroth's types,

and an adult male collected on New Britain by Dr. Finsch is duller and less yellowish than in any of our New Guinea birds. Therefore we can only come to the conclusion that the greater or lesser brightness, and yellower or less yellow coloration of the upperside, is due to freshness or abrasion of the plumage.

In addition to the specimens enumerated above from the Papuan region we have :

23 ♂♂, ♀♀, from Obi, Batjan, and Morty in the Moluccas, and Isabel, Knlambangra, Munia, and Guadaleanar in the Solomons, which we cannot separate from *C. f. frenata*, so that we have now 90 specimens before us.

The Morty birds are somewhat pale on the underside, but only having two adult males we cannot tell if this is constant. Moluccan birds are sometimes rather dark on the upperside, but this is not at all constant, and we cannot, therefore, separate the Moluccan birds either. The forms from the Celebesian subregion are all distinct subspecies.

XXI. DICAEIDAE.

1. *Dicaeum pectorale* Müll.

Dicaeum pectorale S. Müller, Verh. Nat. Gesch. Ned. Ind., Land-en Volkenkunde p. 162 (1839-44 : Lobo, W. New Guinea).

- 1 ♂, Arfak, 9. v. 1875. Bruijn coll. (Specimen *g* of Salvadori's list).
- 1 ♂, Arfak, Jnne 1874. Bruijn coll. (Specimen *d* of Salvadori's list).
- 1 ♂, Arfak. Guillemard coll.
- 1 ♂, Hatam, 1879. Bruijn coll.
- 1 ♀, Sorong, 1. v. 1875. Bruijn coll. (Specimen *z* of Salvadori's list).
- 1 ♂, with label in Arabic, from Bruijn's hunters.
- 1 ♀, Salwatty, 8. v. 1875. Bruijn coll. (Specimen *s* of Salvadori's list).
- 5 ♂♂, 4 ♀♀, Kapaur, December 1896. W. Doherty coll. "Iris very dark brown, feet and bill blackish."
- 1 ♀, Kurndu, October 1896. W. Doherty coll.
- 2 ♂♂, Dorey, June 1897. W. Doherty coll.
- 3 ♂♂, Rou Island, Geelviuk Bay, July 1897. W. Doherty coll.
- 1 ♂, Ambernoh River (?). J. Dumas coll. (Ex Duivenbode.)

2. *Dicaeum geelvinkianum maforeense* Salvad.

[*Dicaeum geelvinkianum* A. B. Meyer, Sitzungsber. Akad. Wieu lxx. p. 120 (1874 : "Jobi, Mysore, and Mafoor." We restrict the name *geelvinkianum* to the Jobi form, Jobi being the island mentioned first.).]

Dicaeum maforeense Salvadori, Ann. Mus. Cir. Gen. vii. p. 944 (1875 : Mafor).

- 9 ♂ ad., 6 ♂ juv., 7 ♀ ad., Mafor, May and June 1897. W. Doherty coll.

3. *Dicaeum geelvinkianum mysoriense* Salvad.

Dicaeum mysoriense Salvadori, Ann. Mus. Cir. Gen. vii. p. 945 (1875 : Mysori).

3 ♂♂, Korrido (Mysori), 19, 20, 21, v. 1875. Beccari coll. (Specimens *d*, *e*, *g*, of Salvadori's list, all three marked "Typus" by the author).

- 3 ♂♂, 2 ♀♀, Korrido, October 1896. W. Doherty coll.

1 ♂, Biak, October 1896. W. Doherty coll.

4. **Dicaeum geelvinkianum nitidum** Tristr.*Dicaeum nitidum* Tristram, *Ibis* 1889, p. 555 (Sudest Island).

- 4 ♂ ad., 1 ♂ juv., 1 ♀, Sudest Island, Louisiades, 30. iii., 2. 6. 21. 24. iv. 1898.
 A. S. Meek coll., Nos. 1628, 1629, 1648, 1776, 1678, 1789.
 7 ♂ ad., Rossel Island, Lonisiades, 23. 28. 31. i., 3. 6. ii., 7. iii. 1898. A. S. Meek coll., Nos. 1270, 1321, 1343, 1362, 1389, 1554, 1556.
 4 ♂ ad., 2 ♀ ♀, St. Aignan, Louisiades, 7. viii. 1897. A. S. Meek coll., Nos. 767, 768, 770, 771, 772, 773.

5. **Dicaeum geelvinkianum rubrocoronatum** Sharpe.*Dicaeum rubrocoronatum* Sharpe, *Nature* 1876, p. 339 (Type: "Port Moresby" ?).

- 3 ♂♂, 2 ♀♀, Fergusson Island, September 1894. A. S. Meek coll.
 1 ♂, 1 ♀, Fergusson Island, 16. v., 1. vi. 1897. A. S. Meek coll., Nos. 274, 491.
 1 ♂, Goodenough Island, 2. xii. 1896. A. S. Meek coll., No. 6.
 4 ♂♂, 2 ♀♀, Kotoi district, Brit. New Guinea, August 1898. A. S. Anthony coll.
 2 ♂♂, 1 ♀, Kone district, Brit. New Guinea, June 1898. A. S. Anthony coll.
 1 ♀, Mt. Gayata, Richardson Range, 2000—4000 ft. E. Weiske coll.
 1 ♀, Mt. Cameron, 6000 ft., 26. viii. 1896. A. S. Anthony coll.
 1 ♂, North Coast of British New Guinea. A. S. Anthony coll.
 1 ♂, inland of Holnicote Bay. Rohn coll.
 1 juv., without exact locality.

We are convinced from the above series that *Dicaeum pulchrius* Sharpe is founded on a younger male of *D. g. rubrocoronatum*. Our specimens from Fergusson and Goodenough are slightly larger than those from New Guinea, but not sufficient to warrant a separation.

6. **Dicaeum geelvinkianum diversum** subsp. nov.

Nearest to *D. g. rubrocoronatum*, but differs by the somewhat lighter, more scarlet crown and upper tail-coverts, and the more steel-blue, not purple, upper surface, which is also more tinged with olive.

Hab. North Coast of Dutch New Guinea.

1 ♂ ad., Amboinoh River, Dutch New Guinea. J. M. Dumas coll., No. 117.
 (Type of *D. g. diversum*.)

1 ♂, Humboldt Bay. J. M. Dumas coll.

1 ♀, Takar, November 1896. W. Doherty coll. "Iris dull brown; feet dark brownish; bill black, base horn-colour."

7. **Dicaeum ignicolle** Gray.*Dicaeum ignicolle* G. R. Gray, *P. Z. S.* 1858, p. 173 (Aru).

- 2 ♂ ad., 1 ♀ ad., 1 ♂ juv., 2 ♀ juv., Wokan, Aru Island, 26. 29. 30. ix., 3. 3. 5. x. 1900. H. Kühn coll. "Iris brownish black, bill and feet blackish."
 4 ♂ ad., 1 ♀, Dobbo, Aru Island, 11. 12. 14. viii. 1900. H. Kühn coll.

8. **Dicaeum eximium** Scl.*Dicaeum eximium* Sclater, P. Z. S. 1877. p. 102 (New Ireland).

1 ♀, "New Ireland." Missionary coll.

2 ♂♂, 1 ♀, Expedition Bay, New Hanover, February and March 1897. (From spirits.) Capt. C. Webster coll.

9. **Melanocharis bicolor** Rams.*Melanocharis bicolor* Ramsay, Proc. Linn. Soc. N. S. W. iii. p. 277 (1879 : Goldie R., British New Guinea).

4 ♂♂, 3 ♀♀, Takar, east of the Geelvink Bay, October—November 1896.

W. Doherty coll. "Iris light chestnut, feet dark grey, bill blackish."

2 ♂♂, 1 ♀, Ambergoh River. J. M. Dumas coll. (Ex Duivenbode.)

1 ♂, Sattelberg, German New Guinea, 27. vi. 1899. E. Nyman coll.

1 ♀, Simbang, Huon Gulf, 4. ix. 1899. E. Nyman coll.

1 ♂, I ♀, Milne Bay, I2. iv., 21. ii. 1899. A. S. Meek coll., Nos. 2355, 2461.

1 ♂, Oriori district, 14. i. 1895. A. S. Anthony coll.

1 ♂, Kone district. A. S. Anthony coll.

1 ♂, Mt. Cameron, 5000 ft., 15. viii. 1896. A. S. Anthony coll.

1 ♂, Mailu district, July 1895. A. S. Anthony coll.

1 ♂, 1 ♀, Kotoi district, 4000 ft., 13. viii. 1898. A. S. Anthony coll.

1 ♂, 2 ♀♀, Mt. Gayata, Richardson Range, 2000—4000 ft. E. Weiske coll.

2 without exact locality, 1898. Emil Weiske coll.

10. **Melanocharis niger niger** Less.*Dicaeum niger* Lesson, Voy. Coqu. Zool. i p. 673 (1828 : Dorey).

1 ♂, Dorey, June 1897. W. Doherty coll.

1 ♂, Arfak, [12. vii. Bruijn coll.

1 ♀, 1 ♂, New Guinea, 26. vii. Bruijn coll.

1 ♀, Arfak, 1. vii. Bruijn coll.

1 ♂, Arfak. "No. 78."

2 ♀♀, with label in Arabic. Ex Bruijn coll.

1 ♂, Sorong, 24. iv. 1875. Bruijn coll. (Specimen of Salvadori's list).

2 ♂♂, 2 ♀♀, Kapaur, December 1896, January—February 1897. W. Doherty coll. "Iris red-brown, bill and feet black."

1 ♀, Takar, October 1896. W. Doherty coll.

1 ♂, Mt. Maori, Humboldt Bay, January 1899. J. M. Dumas coll.

1 ♂, Eafa district, 1000—3000 ft. Anthony coll.

1, Kotoi district, 4000 ft., 13. viii. 1898. Anthony coll.

1, Mt. Gayata, 2000—4000 ft. E. Weiske coll.

1 without exact locality. E. Weiske coll.

11. **Melanocharis niger chloroptera** Salvad.*Melanocharis chloroptera* Salvadori, Ann. Mus. Civ. Gen. viii. p. 987 (1875 : Aru).

1 ♂, 1 ♀, Dobbo, Aru Island, February 1897. W. Doherty coll.

1 ♂ juv., Wokan, Aru Island, 1. x. 1900. H. Kühn coll., No. 2629.

1 ♂, Wanambai, Kobraor, 1. ix. 1900. H. Kühn coll., No. 2322. "Iris coffee-brown, bill and feet black."

1 ♀, Sg. Bark, Kobraor, 26. viii. 1900. H. Kühn coll., No. 2324.

1 ♂, "Aru," bought of Gerrard in London.

12. *Pristorhamphus versteri* Finsch.

Pristorhamphus versteri Finsch, *Proc. Zool. Soc.* 1875. p. 642 (Arfak).

1 ♂ ad., without locality.

2 ♂ ad., 1 ♀, Kotoi district, Mts. British New Guinea, "11,000 ft." August 1898. A. S. Anthony coll.

1 ♂ ad., "Eafa district, Mts. British New Guinea, 1000—3000 ft." Purchased from McIlwraith and McEacharn in London.

1 ♂, "Amberon River." J. M. Dumas coll. (Ex Duivenbode.)

1 ♂ ad., Mt. Knutsford, "11,000 ft." 20. viii. 1898. A. S. Anthony coll.

It is most remarkable that the ♀ has a thicker bill and longer wing. Wing in ♂ 63, in ♀ 70 mm. The same is the case in the British Museum specimens. Dr. Sharpe measures the wing of the ♂ 2·45 in., that of the ♀ 2·65 in.

XXII. THE GENUS MYZOMELA.

1. *Myzomela rubrater* (Less.).

Cinnyris rubrater Lesson, *Voy. Coqu. Zool.* i. p. 678 (1826 : Mariannes).

11 ♂♂, 5 ♀♀, Ruck Island, 1895—1896. A. Owston's Jap. coll.

13 ♂♂, 6 ♀♀, Guam Island, 1894—1895. A. Owston's Jap. coll.

3 ♂♂, Saipan Island, 1895. A. Owston's Jap. coll.

1 ♂, Kushai, 29. i. 1899.

2 ♂♂, Yap Island, 2. ix. 1870. Kubary coll. (Ex Mus. Godeffroy, No. 4059—both.)

1, Pelew Islands, evidently Kubary coll. (Purchased from Gerrard.)

1 ♂, Agrigan Island, Mariannes, December 1888. Marche coll., No. 5717.

2. *Myzomela rubrater pulcherrima* Rams.

Myzomela pulcherrima Ramsay, *Proc. Linn. Soc. N. S. W.* vi. p. 179 (1881 : Ugi).

1 ♂ ad., Ugi, 5. ix. 1896. C. M. Woodford coll. "Iris brown" (No. 134).

1 ♂, Ugi. Lient. Richards coll.

This form, in spite of its widely different geographical range, only differs from *M. r. rubrater* in its lighter red, and therefore we can only treat it as a subspecies.

3. *Myzomela cardinalis cardinalis* (Gm.).

Certhia cardinalis Gmelin, *Syst. Nat.* i. p. 472 (1788 : ex Latham, Tanna ins.).

1 ♂ ad., Aneiteum, New Hebrides, 1881. E. L. Layard coll. "Iris dark brown."

2 (probably ♀♀), "New Hebrides."

4. **Myzomela cardinalis nigriventris** Peale.*Myzomela nigriventris* Peale, U. S. Expl. Expl. p. 150. Pl. 41. fig. 2 (1848 : Samoa).

- 1 ♂, Upolu, Samoa, 7. xii. 1886. John Young coll.
 2 ♂♂, 1 ♀, 1 juv., Apia, Samoa, 7. 18. i. 1895. O. M. Woodford coll.,
 Nos. 43, 47.

1 juv., 2 ♀♀, Upolu, Samoa. Krause coll. (Ex Mus. Godeffroy.)

The only difference between this form and typical *cardinalis* is the shorter wing of *nigriventris*. The alleged difference in the colour of the abdomen mentioned by Dr. Gadow in the *Cat. B.* ix. does not hold good.

5. **Myzomela sanguinolenta sanguinolenta** (Lath.).*Certhia sanguinolenta* Latham, Ind. Orn. Suppl. p. xxxvii. (1801 : Australia).

- 1 ♂, Brisbane, 1873. Cockerell coll. (Ex von Hügel.)
 1 ♂, Richmond R., S. Queensland, 1874. Cockerell coll. (Ex von Hügel.)
 1 ♂, Cooktown, 12. v. 1900. Olive coll., No. A 93. "Iris brown, feet brown,
 bill black."
 8 ♂♂, 2 ♀♀, without exact localities.

6. **Myzomela sanguinolenta caledonica** Forbes.*Myzomela caledonica* Forbes, P. Z. S. 1879. p. 260 (New Caledonia).

- 1 ♂ ad., Moindu, New Caledonia, 7. x. 1881. E. L. Layard coll. "Iris brown,
 legs bronze-green, bill black."
 1 ♂ juv., Noumea, New Caledonia, 27. v. 1879. E. L. Layard coll.
 This form differs from typical *sanguinolenta* in its much darker red and the
 absence of the light edges to the scapulars and wing-coverts.

7. **Myzomela chloroptera** Walden.*Myzomela chloroptera* Walden, Ann. d' Mag. N. H. 1872. ix. p. 399 (Minahassa, Celebes).

- 3 ♂ ad., 1 ♀, Indrulaman, Bouthain Peak, 2500 ft., October 1895. Everett
 coll. "Iris brown, bill very dark brown, feet bright olive-brown."
 1 ♂ ad., Bonthain Peak, 6000 ft. Native coll. October 1895 (Everett).
 4 ♂ ad., Bonthain Peak, 4000—6000 ft., August 1896. W. Doherty coll.
 1 ♂ ad., 1 ♂ juv., Saleyer, November 1895. A. Everett coll.
 1 ♂ ad., 1 ♂ juv., Djampea Island, December 1895. A. Everett coll.

8. **Myzomela batjanensis** Hart.*Myzomela batjanensis* Hartert, Nov. ZOOL. 1903. p. 56 (Batjan).

- 1 ♂ ad., Batjan, June 1902, 5000—7000 ft. Waterstradt coll., No. B. 579.
 (Type of species.)
 6 ♂♂, 1 ♀, Batjan, June 1902, 5000—7000 ft. Waterstradt coll.

9. **Myzomela boiei** S. Müll.*Myzomela boiei* S. Müller, Verh. Nat. Gesch. Ned. Land-en Volkenkunde p. 172 (1844 : Banda).

- 7 ♂♂, 3 ♀♀, Great Banda, September 1898. Heinr. Kühn coll. "Iris warm
 sepia brown, feet blackish brown."

1 ♂, Banda Neira, November 1896. W. Doherty coll.

10. **Myzomela annabellae** Sel.*Myzomela annabellae* Sclater, P. Z. S. 1883. p. 56 (Lutur, Tenimber).

1 ♂ ad., Yamdena, Tenimber Islands, 8. i. 1901. H. Kühn coll., No. 2895.

1 ♂ ad., Selaru, Tenimber Islands, February 1895. W. Doherty coll.

11. **Myzomela erythrocephala** Gould.*Myzomela erythrocephala* Gould, P. Z. S. 1839. p. 144 (Australia).

2 ♂ ad., 2 ♀ ad., Cape York, Queensland, July 1898. A. S. Meek coll., Nos. 1805, 1830, 1819, 1844.

12. **Myzomela adolphinae** Salvad.*Myzomela adolphinae* Salvadori, Ann. Mus. Civ. Gen. vii. (1875: Arfak).

1 ♂ ad., Mt. Cameron, 6000 ft., 22. viii. 1896. A. S. Anthony coll.

M. adolphinae is most closely allied to *M. erythrocephala*, and is certainly not nearly so close to *M. boiei* as Count Salvadori suggested in *Ibis*, 1884.13. **Myzomela erythromelas** Salvad.*Myzomela erythromelas* Salvadori, Atti R. Acc. Sc. Tor. xvi. p. 624 (1881: Nova Britanua).

1 ♀, agreeing with specimens in the British Museum, from uncertain locality, purchased in London.

We have no male of this species.

14. **Myzomela kuehni** Rothschr.*Myzomela kuehni* Rothschr., Bull. B. O. C. February 1903 (Wetter).1 ♂ ad., Wetter Island, 5. x. 1902. Heinr. Kühn coll., No. 5693 (*type*).

2 ♂ ad., Wetter, 14. ix. 1902, 1. x. 1902. Heinr. Kühn coll., Nos. 5668, 5480.

1 ♂ juv., 3 ♀ ♀, Wetter, 9. x. 1902. H. Kühn coll., Nos. 5570, 5481, 5479, 5692.

15. **Myzomela vulnerata** S. Müll.*Nectarinius (Myzomela) vulnerata* S. Müller, Nat. Gesch. Ned. Ind., Land-en Volkenkunde p. 172 (1844: Timor).

4 ♂ ad., Atapupu, Timor, August 1897. A. Everett (Nat.) coll.

16. **Myzomela lafargei** Pucher. & Jacq.*Myzomela lafargei* Pucheran et Jacquinot, Voy. Pôle Sud, Zool. Ois. iii. p. 88 (1883: Solomons)

1 ♂ ad. (mummy), ? Bougainville. Ribbe coll.

5 ♂♂, 5 ♀ ♀, Isabel, Solomons, July 1901. A. S. Meek coll., Nos. 3314, 3388, 3394, 3422, 3423, 3378, 3379, 3327, 3425, 3235.

17. **Myzomela dubia** (Rams.)*Cinnyris (?) dubia* Ramsay, Proc. Linn. Soc. N. S. W. iv. p. 83 (1879: Savo, Solomons).*Myzomela dubia* Rothschr. & Hart, Nov. Zool. 1901. p. 181.

1 ♂ ad., 2 ♂ juv., Florida Island, December 1900, January 1901. A. S. Meek coll., Nos. 2707, 2711, 2726.

3 ♂ ad., 1 ♂ juv., 2 ♀ ♀, Guadalcanaar, April—May 1901. A. S. Meek coll., Nos. 3053, 3146, 3155, 3157, 3197, 3198.

18. **Myzomela eichhorni** Roths. & Hart.

Myzomela eichhorni Rothschild & Hartert, Nov. Zool. 1901. p. 181 (Kulambangra).

5 ♂ ad., 1 ♂ imm., Kulambangra, February 1901. A. S. Meek coll., Nos. 2773, 2799 (*type*), 2801, 2787, 2772, 2786 (figured in Nov. Zool.).

1 ♂, 1 ♀ ad., Gigo Island, Solomons, 1. viii. 1901. A. S. Meek coll., Nos. 3539, 3540.

19. **Myzomela jugularis** Peale.

Myzomela jugularis Peale, U. S. Expl. Exp. p. 151 (1848 : Fiji).

2 ♂♂, 1 ♀, Suva 1894. C. M. Woodford coll., Nos. 6, 7, 42.

1 ♂ Vanna Levu, Nov. 1875. Th. Kleinschmidt coll. (Ex Mus. Godeffroy).

1 ♂, Savu Savu, 1875. Th. Kleinschmidt coll. (Ex Mus. Godeffroy).

1 ♂ ad., Bua. Tempest coll., fide Layard.

1 ♂ ad., "Fiji," 7. iv. 1877. Dr. Smith coll.

Two without labels.

20. **Myzomela rosenbergi** Schleg.

Myzomela rosenbergi Schlegel, Ned. Tijdschr. Dierk. iv. p. 38 (1871 : Berau Peninsula).

6 ♂ ad., 1 ♀, Arfak, 1874, 1875. Bruijn coll. (Specimens *a*, *c*, *d*, *f*, *h*, *i*, *a'*, of Salvadori's list in *Orn. Pap.* ii. p. 294).

1 ♂ ad., Katam, 4. vii. 1875. Beccari coll. (Specimen *s* of the list).

4 ♂ ad., 1 ♂ juv., 2 ♀♀, Arfak. Bruijn coll.

1 ♀, Wamai. Bruijn coll.

1 ♂, Arfak. Ex Kettlewell.

1 ♂ imm., Arfak. Bruijn coll. (Ex Guillebard).

3 ♂♂, 3 ♀♀, Mt. Cameron, 6000—7000 ft., August 1896. A. S. Anthony coll.

2 ♂ imm., Matahitang. H. O. Forbes coll., Nos. 7, 16.

1 ♂ ad., 1 ♂ juv., 3 ♀♀, trade-skins from Dutch New Guinea.

21. **Myzomela nigra** Gould.

Myzomela nigra Gould, B. Austr. iv. Pl. 66.

1 ♂ ad., Derby, W. Australia, 1. ii. 1900 (carbolised!). Robert Hall coll.

1 ♀ juv., Derby, W. Australia, 25. iii. 1900. Robert Hall coll., No. 89.

22. **Myzomela pectoralis** Gould.

Myzomela pectoralis Gould, P. Z. S. 1840. p. 170.

1 ♀ ad., Cape York, 23. vii. 1898. A. S. Meek coll. "Iris brown, feet slate, bill black."

1 ♀ ad., 1 juv., North Australia, 1876. Walter Chamberlain coll.

1 ♂ ad., without locality.

1 ♂ imm., Cooktown, 3. x. 1897.

4 imm., 3 juv., Derby and Pine Creek, W. Australia, 1896, 1900. Robert Hall coll.

23. *Myzomela nigrita nigrita* Gray.

Myzomela nigrita Gray, P. Z. S. 1858, p. 173 (Aru).

- 1 ♂ ad., Dobbo, Aru, 16. ix. 1896. C. Webster coll.
 1 ♂ ad., Bendjoering, Adonar Island, Aru, 17. xi. 1897. H. Kühn coll.,
 No. 343.
 1 ♂, Wanambai, Kabroor, 31. viii. 1900. H. Kühn coll., No. 2320.
 2 ♂♂, Wokan, Aru, 29. ix. 1900. H. Kühn coll.
 2 ♂♂, Trangan I., Aru, 13. ix. 1900. H. Kühn coll.
 1 ♂, 1 ♀, Mt. Maori, Humboldt Bay, January 1899. Dumas coll.
 4 ♂♂, 1 ♀, without locality. One E. Weiske coll.
 1 ♀, Kapaur, Dec. 1897. W. Doherty coll.
 1 "♂" (juv.), Sogere, 2000 ft. H. O. Forbes coll.
 1 ♂, Kotoi, August 1898. Anthony coll.

24. *Myzomela nigrita pluto* Forbes.

Myzomela pluto Forbes (ex Salvadori MS), P. Z. S. 1879, p. 266.

- 3 ♂ ad., Miosnom, 3. v. 1875. Beccari coll. (Specimens *k*, *l*, *m* of Salvadori's list in *Orn. Pap.* ii. p. 292).
 2 ♀♀, Marai and Ansus, Jobi, April and May 1897. W. Doherty coll.

25. *Myzomela nigrita louisiadensis* Hart.

Myzomela nigrita louisiadensis Hartert, Nov. Zool. 1898, p. 527 (Sudest I.).

- 1 ♂ ad., Sudest Island, 8. iv. 1898. A. S. Meek coll., No. 1690 (*type*).
 2 ♂ ad., Sudest Island, 25. iii., 6. iv. 1898. A. S. Meek coll., Nos. 1699,
 1677.
 3 ♂ juv., Sudest Island, 5. 12. iv. 1898. A. S. Meek coll., Nos. 1664,
 1665, 1713.
 4 ♂ ad., St. Aignan, 23. 27. 28. viii. 1897. A. S. Meek coll., Nos. 689, 908,
 911, 913.
 1 ♀, St. Aignan, 28. viii. 1897. A. S. Meek coll., No. 914.
 6 ♂ ad., 1 ♂ imm., 2 ♀♀, Woodlark Island, 1897. A. S. Meek coll., Nos. 124,
 140, 152, 162, 164, 194, 200, 211.

26. *Myzomela forbesi* Rams.

Myzomela forbesi Ramsay, Proc. Linn. Soc. N. S. W. iv. p. 469 (1880) : "Woodlark I."—erroneous, as Meek failed to find this species there, and it is represented by *M. nigrita louisiadensis*. The typical locality is Fergusson.

- 5 ♂ ad., 1 ♂ juv., 2 ♀♀, Fergusson I., September—November 1894. A. S. Meek coll.
 1 ♂ ad., Goodenough Island, 21. xii. 1896. A. S. Meek coll., No. 98.
 This is a close ally of *M. nigrita*, differing in the red patch on the crown.
 The female is like that of *M. nigrita*.

27. **Myzomela cruentata cruentata** Mey.*Myzomela cruentata* Meyer, *Sitzber. Akad. Wien* lxx, p. 202 (1874 : Arfak).

1 ♂ ad., 2 ♂ juv., 1 ♀, Kapanur, December 1896. W. Doherty coll.

1 ♂ ad., near Humboldt Bay. J. Dumas coll.

2 ♂ ad., Mt. Cameron, Owen Stanley Range, August—September 1896.

A. S. Anthony coll.

2 ♂ ad., Kotoi district, August 1898. A. S. Anthony coll.

1 ♂ ad., Upper Aroa River, 3000—7000 ft. E. Weiske coll.

1 ♀, without locality. E. Weiske coll.

28. **Myzomela cruentata erythrina** Rams.*Myzomela erythrina* Ramsay, *Proc. Linn. Soc. N. S. Wales* ii, p. 107 (1877 : New Ireland).

1 ♂ ad., "New Ireland." Purchased in London.

Two specimens, ♂ and ♀, from New Hanover, from spirits, collected by Captain Cayley Webster, have lost their colour, and can therefore only be presumed to belong to this form, or a closely allied new one.

Dr. Gadow (*Cat. B.* ix.) has united with *M. cruentata* the following three forms: *M. coccinea* from Duke of York Island, *M. erythrina* from New Ireland, and *M. kleinschmidtii* from New Britain. This, as already pointed out by Count Salvadori, is certainly wrong; but we think the latter goes too far in considering them as distinct species. They are evidently representative forms, and should stand as distinct subspecies of *M. cruentata*.29. **Myzomela wakoloensis** Forbes.*Myzomela wakoloensis* Forbes, *P. Z. S.* 1883, p. 116 (Buru).

1 ♂ ad., 1 ♂ juv., 4 ♀ ♀, Mt. Madang, W. Buru, March 1902. H. Kühn coll., Nos. 4715, 4687, 4680, 4672, 4682, 4683.

1 ♂ ad., Lake Wakolo, Burn, 2400 ft., 23. xi. 1883. H. O. Forbes coll., No. 644 (cotype).

1 ♂ ad., Lake Wakolo. H. O. Forbes coll., No. 656c (cotype).

30. **Myzomela sclateri** Forbes.*Myzomela sclateri* Forbes, *P. Z. S.* 1879, p. 265 (Palakuru).

1 ♂, Nanuka, 26. v. 1879. Th. Kleinschmidt coll., No. 16570, Mus. God.

1 ♀ (?), labelled as coming from Vana Levu.

31. **Myzomela eques eques** (Less.).*Cinnyris eques* Lesson, *Voy. Coqu. Zool.* p. 679. Pl. 31 (1826-28 : Waigiu).

4 ♂♂, 1 ♀, Mysol, January—February 1900. H. Kühn coll., Nos. 1824, 1880, 1881, 1991, 2013.

2 ♂♂, 1 ♀, Mt. Moari, near Humboldt Bay, January 1899. J. M. Dumas coll.

1 ♂ ad., Kapanur, 3000 ft., December 1896. W. Doherty coll.

32. **Myzomela eques nymani** subsp. nov.

M. eques eques dictae simillima, sed paullo major, paullo cinerascentior, plaga gulari latioire.

Closely allied to *M. eques eques*, but the colour is purer grey, less brownish, the wing slightly longer, the gular patch much wider, covering nearly the entire chin and throat.

♂, wing 73—76 mm.; ♀, wing 64½ mm.

Hab. Eastern New Guinea.

Type: ♀, Simbang, 26. viii. 1899. Dr. E. Nyman coll.

This form is named in honour of the unfortunate naturalist Dr. E. Nyman, who died in Java of fever contracted in New Guinea, just as he was commencing a most successful scientific career.

We have the following specimens, in addition to the type:—

1 ♂, Eafa district, British New Guinea, 3000 ft., 1898. Anthony coll.

2 ♂ ad., British New Guinea, exact locality doubtful.

1 ♂ ad., British New Guinea, exact locality doubtful. Weiske coll.

33. **Myzomela** spec. an subsp. nov.

2 (♂ ♀) collected by J. M. Dumas, said to be from the Amboernoh River. It is impossible to diagnose this species satisfactorily from these two immature birds, although they must belong to an undescribed species. They are near *M. eques eques* in colour, but, in addition to the red gular patch, they have a lot of red on the crown and occiput.

34. **Myzomela simplex simplex** Gray.

Myzomela simplex G. R. Gray, P. Z. S. 1860. p. 349 (Batjan).

4 ♂♂, 1 ♀ ad., Batjan, 4000 ft., August—September 1897. W. Doherty coll.

3 ♂♂, 1 ♀, Batjan, 5000—7000 ft., July 1902. Waterstradt coll.

Brownish grey, with narrow edges to the tail and wings, and very slight edges to some of the breast-feathers brownish pink.

35. **Myzomela simplex mortyana** Hart.

Myzomela simplex mortyana Hartert, anteā p. 56.

1, Morty, J. M. Dumas coll. (Type.)

Darker, especially on the throat and chest, more distinct red edges to the chest-feathers, no red at all on the tail.

36. **Myzomela simplex rubrotincta** Salvad.

Myzomela rubrotincta Salvadori, Ann. Mus. Civ. Gen. xii. p. 334 (1878: Obi).

1 ♀ ad., Obi, September 1897. W. Doherty coll.

2 ♂♂, 1 ♀ ad., Obi, 2000 ft., March—April 1902. Waterstradt coll.

Differs from *M. s. simplex* in having the mantle and upper wing-coverts washed with crimson, the remiges beautifully edged with, and the tail entirely crimson, the underside slightly washed with crimson.

37. **Myzomela simplex rubrobrunnea** Mey.*Myzomela rubrobrunnea* A. B. Meyer, *Sitzber. R. Ak. Wissenschaft. Wien* lxx. p. 203 (1874; Mysori).

1 ♂, 1 ♀ ad., Korrido, October 1896. W. Doherty coll.

Differs from *M. s. rubrotincta* in the much darker red wash on the mantle, the less pronounced red margins to the wings, only crimson borders to the rectrices, darker head, and darker red wash on the underside.38. **Myzomela cineracea** Sel.*Myzomela cineracea* Selater, *P. Z. S.* 1879. p. 448. Pl. 37 (New Britain).

1 ♀, New Britain. Kubary coll.

39. **Myzomela obscura obscura** Gould.*Myzomela obscura* Gould, *P. Z. S.* 1842. p. 136 (N. Australia).

2 ♂♂, 2 ♀ ad., Cape York, June—July 1898. Eichhorn coll. (Meek), Nos. 1802, 1942, 1954, 1977.

1 ♀, Cooktown, 29. vii. 1896. (Ex Robinson).

4, Bowen, ex Mus. Godeffroy.

1 ♀, Queensland.

40. **Myzomela obscura fumata** (Bp.).*Ptilotis fumata* Bonaparte (ex Müller, *MS.* in Mus. Lugd.), *Conspectus*. i. p. 392 (New Guinea—Outanata, Müller coll.).

1, Dobbo, Aru, 15. vi. 1896. Capt. C. Webster coll.

1 ♂, Dobbo, Aru, August 1900. H. Kühn coll.

1 ♂, Dobbo, Aru. February 1897. W. Doherty coll.

1 ♂, Trangan, Aru, 18. ix. 1900. H. Kühn coll.

The Aru examples differ from typical *obscura* (Queensland), in its uniform slate-grey colour, without brown on the breast and without lighter edges to the primaries. We have adopted the name *fumata*, although we have not been able to examine specimens from the mainland of New Guinea, as there is every likelihood that they are identical with the Aru birds. They are, however, certainly different from typical *obscura*.

41. **Myzomela albigenula** Hart.*Myzomela albigenula* Hartert, *Bull. B. O. C.* December 1898. No. lviii. p. xx. (Rossel Island, Louisiades).1 ♂ ad., Rossel I., 27. i. 1898. A. S. Meek coll., No. 1306 (*type*).

3 ♂ jun., 1 ♀ jun., 3 ♀ ad., Rossel I., January—February 1898. A. S. Meek coll., Nos. 1242, 1268, 1278, 1289, 1307, 1373, 1415.

42. **Myzomela pallidior** Hart.*Myzomela pallidior* Hartert, *Bull. B. O. C.* December 1898. No. lviii. p. xxi. (St. Aignan).1 ♂ ad., St. Aignan, 31. vii. 1897. A. S. Meek coll., No. 725 (*type*).

4 ♂ ad., 1 ♀ juv., St. Aignan, December 1897. A. S. Meek coll., Nos. 1108, 1172, 1178, 1191, 1192.

XXIII. MOTACILLIDAE.

1. *Anthus gutturalis* De Vis.

Anthus gutturalis De Vis, Report New Guinea 1894, Birds p. 5 (Mount Manaeao, 5650 and 6000 ft.).

3 ♂♂, 2 ♀♀, 1 sex doubtful, Mt. Knutsford 11,000 ft., August 1898. A. S. Anthony coll.

1, Mt. Scratchley. A. S. Anthony coll.

2. *Motacilla boarula melanope* Pall.

♂ ad., Kapaur, February 1897. W. Doherty coll.

♂ juv., Takar, November 1896. W. Doherty coll.

XXIV. SYLVIIDAE.

1. *Locustella fasciolata* (Gray).

1 ♀, Mysol, 1. ii. 1900. Kühn coll.

1 ♀ ad., Dorey, October 1896. W. Doherty coll.

1 ♀ ad., Yamna I., October 1896. W. Doherty coll.

1 ♂ juv., Kapaur, December 1896. W. Doherty coll.

1 ♀ juv., Kapaur, February 1897. W. Doherty coll.

Besides these we have sixteen from other localities.

XXV. TIMELIIDAE.

1. *Cisticola exilis* Vig. & Horsf.

1 ♂, 1 ♀, Friedrichwilhelmshafen, 17. x. 1899. E. Nyman coll.

1 ♂, Stephansort, 23. i. 1899. E. Nyman coll.

1 ♂, 1 ♀, New Britain, June—November 1880. Th. Kleinschmidt coll., Nos. 236, 543.

1, New Hanover, 18. ii. 1897. Capt. Cayley Webster coll. (in spirits).

Compared with 43 specimens from other localities.

2. *Megalurus macrurus macrurus* (Salvad.).

Sphenoeacus macrurus Salvadori, Ann. Mus. Civ. Genova 1876. p. 35 (Naibau).

4 ad., Mt. Scratchley, British New Guinea. A. S. Anthony coll.

6, Mt. Owen Stanley, 3000—5000 ft., 1897. A. S. Anthony coll.

1 ♂, Mt. Knutsford, 11,000 ft., 23. viii. 1898. A. S. Anthony coll.

3. *Megalurus macrurus interscapularis* (Sel.)

Megalurus interscapularis Selater, P. Z. S. 1880. p. 65. Pl. VI. (New Britain, Rev. Brown coll., type in Brit. Mus.).

This form has been erroneously united with *M. m. macrurus*, evidently because former authors had specimens from one or the other locality only. It differs from *M. m. macrurus* by its more yellowish brown instead of deep rufous chestnut head, a more brownish grey instead of brownish rufous colour of the upper surface and tail.

We have the following specimens :—

1, Expedition Bay, New Hanover, 15. iii. 1897. Capt. Cayley Webster coll. (in spirits).

4 ♂♂, November—December 1880, New Britain. Th. Kleinschmidt coll., Nos. 531, 600, 605, 692. Native name “ Dilau ” (not Kilan).

4. *Ifrita coronata* Rothschild.

Ifrita coronata Rothschild, Bull. B. O. C. vii, p. liv. May 1898 (locality erroneously given as low country east of Port Moresby; the typical place is: Mountains of British New Guinea). Nov. ZOOL. vi. p. 218. Pl. III. fig. 1.

We have now the following specimens :—

1 ♂, type of the species, exact locality unknown.

3 ♂♂, 2 ♀♀, Mt. Knutsford, “ 11,000 ft.,” August 1898. A. S. Anthony coll.

2 ♂ ad., 1 ♂ juv., 3 ♀♀, Aroa River, 6000 ft., January 1900. E. Weiske coll.

We are not quite certain about the systematic position of this remarkable bird, but believe it to belong near *Drymoedus* and *Amalocichla*.

5. *Amalocichla sclateriana* De Vis.

Amalocichla sclateriana De Vis, Report on New Guinea for 1892, p. 95 (Mt. Owen Stanley).

1, Mt. Victoria (Owen Stanley), 5000—7000 ft., April—June 1896.

1 ♀, Kotoi district, British New Guinea, “ 11,000 ft.,” August 1898. A. S. Anthony coll.

1 (not sexed), Kotoi district, British New Guinea, “ 11,000 ft.,” August 1898. A. S. Anthony coll.

6. *Amalocichla brevicauda* (De Vis).

Drymoedus brevicauda De Vis, Report Brit. New Guinea, 1894, Birds p. 5 (Mt. Manaeao).

Amalocichla brevicauda Rothschild & Hart., Bull. B. O. C. xi. p. 26 (November 1900).

1 ♀ ad., 3 (not sexed), 1 juv., Aroa River, 4000 ft., December 1899. Emil Weiske coll. “ Iris black.”

1 (not sexed), Mts. of the Kotoi district, August 1898. A. Anthony coll. The young bird is above rufous brown, with a blackish tip and a bright ochreous subterminal patch to each feather. The white loral spot barely indicated. Feathers of the underside pale ochreous with broad blackish edges, abdomen almost white with dirty brown edges to most of the feathers.

7. *Crateroscelis murinus* (Sel.).

Brachypteryx murinus Selater, Journ. Linn. Soc. London ii. p. 158 (1858: descr. prima).

1 ♂, 2 ♀♀, Mysol, January, February, 1900. H. Kühn coll. “ Iris chocolate-brown, feet pale grey, upper mandible black, lower colorless.” Nos. 1939, 1995, 2023.

1 ♂, 1 ♀, Kavanr, December 1896. W. Doherty coll. “ Iris sepia.”

2 ♂♂, Takar, October, November 1896. W. Doherty coll. “ Iris crimson.”

2 ♂♂, Marai, Jobi Island, April 1897. W. Doherty coll.

2 from near Humboldt Bay. J. M. Dumas coll.

1 said to be from the Ambernoch River. J. M. Dumas coll. (Ex Duivenbode).

1 ♂, 1 (not sexed), Mt. Cameron, 7000 ft., August, September, 1896. A. S. Anthony coll.

The amount of white on the underside varies considerably. The specimen marked "♂" from Mt. Cameron, and one of Doherty's from Jobi, have the underside almost uniform rufous, thus agreeing with the description of Meyer's *Brachypteryx brunneiventris*; the second specimen from Mt. Cameron, on the other hand, has the lower breast and abdomen almost white. The Jobi specimens are not separable from New Guinea ones, but one of those from Humboldt Bay has rather much dirty brown on the sides of the breast, while the other one from the same place is exactly like most of the other specimens.

8. *Crateroscelis rufobrunnea* Rothschild & Hart.

Crateroscelis rufobrunnea Rothschild & Hartert, Bull. B. O. Club xi. p. 25 (November 1900 : Mt. Maori, near Humboldt Bay).

Mt. Maori, January 1899. J. M. Dumas coll. (*Type*).

Differs from *C. murinus* in many ways, but especially by the much shorter and entirely black upper and under mandible, and the almost uniform deep rusty brown under surface. Wing only 58 mm., bill from base 13, metatarsus 22, tail about 33.

9. *Crateroscelis monacha* (Gray).

Alcippe monacha G. R. Gray, P. Z. S. 1858. pp. 175, 191 (Aru).

1 ♂, Wokan, 2. x. 1900. H. Kühn coll. "Iris coffee-brown, feet pale grey, bill black, lower mandible white."

1 ♀, Wanambai, Kobroor, 4. iii. 1900. H. Kühn, No. 2336.

1 ♂, Trangan Island, 14. ix. 1900. H. Kühn coll, No. 2626.

10. *Crateroscelis pectoralis* Rothschild & Hart.

Crateroscelis pectoralis Rothschild & Hartert, Bull. B. O. C. xi. p. 25 (November 1900 : Mt. Cameron).

Sericornis salvadorii Reichenow, Orn. Monatsber. 1901. p. 4 (S.E. New Guinea, Weiske coll.).

(Cf. R. & H., Bull. B. O. C. xi. p. 44, February 1901.)

1 ♂ ad., Mt. Cameron, 7000 ft., 21. viii. 1896. A. S. Anthony coll. "Iris yellow, feet creamy white, bill black." (*Type*).

1 ♀ ad., Mt. Knutsford, "11,000 ft.", 18. viii. 1898. A. S. Anthony coll.

1 (not sexed), Mt. Knutsford, "11,000 ft.", 18. viii. 1898. A. S. Anthony coll.

1 (not sexed), Mt. Scratchley. A. S. Anthony coll.

1 ♀ jun., Aroa River, 5000 ft., September 1899. Weiske coll.

Underside more splashy and darker, the pectoral band less sharply marked than in adult birds.

11. *Sericornis beccarii* Salvad.

Sericornis beccarii Salvadori, Ann. Mus. Civ. vi. p. 79 (1874 : Wokan, Aru).

2 ♂♂, 1 ♀, Sg. Bark and Wanambai, Kobroor, March—August 1900. H. Kühn coll.

1 ♂, 1 ♀, Trangan, Aru, September 1900. H. Kühn coll.

1 ♀, Wokan, Aru, 25. ix. 1900. H. Kühn coll.

1, near Humboldt Bay. J. M. Dumas coll.

This last specimen is somewhat more olive above, and perhaps more washed with olive below, but without more material it cannot be separated on such slight ground.

12. *Sericornis arfakiana* Salvad.

Sericornis arfakiana Salvadori, Ann. Mus. Civ. Gen. vii. p. 962 (1875 : Arfak).

1 ♀ ad., Mori, Arfak, 3500 ft., 3. v. 1875. Beccari coll. (Specimen c of the list in *Orn. Pap.* ii. p. 408, marked as " *Typpus* " by the author.)

2 ♂♂, 1 (not sexed), Kotoi district, 11,000 ft., August 1898. A. S. Anthony coll.

1 ♀, Mt. Cameron, 6600 ft., 6. viii. 1896. A. S. Anthony coll.

1 (not sexed), Eafa district, between 1000 and 3000 ft. Bought in London.

1 (not sexed), Aroa River, December 1899. E. Weiske coll.

1, Mts. British New Guinea. Bought in London.

2 ad., 1 juv., Mt. Maori, near Humboldt Bay, January 1899. J. M. Dumas coll.

13. *Sericornis olivacea* Salvad.

Sericornis olivacea Salvadori, Ann. Mus. Civ. Gen. xxxvi. p. 100 (1896 : Moroka).

1 ♂, Mt. Cameron, 6600 ft., 6. viii. 1896. " Iris brown, feet grey, bill black." A. S. Anthony coll.

14. *Sericornis perspicillata* Salvad.

Sericornis perspicillata Salvadori, Ann. Mus. Civ. Gen. xxxvi. p. 99 (1896 : Moroka).

1 specimen from the moutainous of British New Guinea. Emil Weiske coll., according to preparation.

15. *Sericornis pusilla* spec. nov.

Upperside greenish olive, tail and wings fuscous brown, edged with greenish olive-brown. Eyelids yellowish white, sides of head light greyish brown, ear-coverts a little darker. Underside yellowish white, the feathers being whitish with sulphur-yellow margins, sides of breast and body greyish olive. Under wing-coverts yellowish grey, pale ochraceous near the edge of the wing. Wing-lining ashy white. Wing 51, tail 37, metatarsus 17.5, bill 11 mm.

Type and unique specimen : 1 skin, said to be from Mt. Gayata, Richardson Range, 2000—4000 ft. Bought from McIlwraith and McEacharn, evidently Weiske's preparation. No. 1137.

16. *Sericornis nigrorufa* Salvad.

Sericornis nigrorufa Salvadori, Ann. Mus. Civ. Gen. (2). xiv. p. 151 (1894 : Moroka).

1 ♂, 1 (not sexed), Kotoi district, British New Guinea, August 1898. A. S. Anthony coll.

17. *Drymoedus beccarii* Salvad.

Drymoedus beccarii Salvadori, *Ann. Mus. Civ. Gen.* vii. p. 965 (1875 : Profi, Arfak, Beccari coll.).

2, ♂ ♀, Sg. Bark, Kobroor, Arn, 27. viii. 1900. H. Kühn coll. "Iris brownish black, feet pale flesh-colour, bill black." Nos. 2371, 2372.

1 ♂ ad., Wokan, Arn, 30. ix. 1900. H. Kühn coll., No. 2711.

18. *Cinclosoma ajax* (Temm.).

Eupetes ajax Temminck, *Pl. Col.* 573 (1835 : New Guinea ; *Typus* ex Lobo, Müller & Macklot coll.).

2 ♂ ad., 1 ♂ juv., 1 ♀, Milne Bay, February 1899. "Iris bright orange-yellow (♀ yellow), feet light brown, bill black." A. S. Meek coll., Nos. 2247, 2272, 2302, 2310.

1 ♂ juv., Eafa district, between 1000 and 3000 ft. Purchased in London.

1 ♀, British New Guinea, no exact locality.

19. *Eupetes castanonotus castanonotus* Salvad.

Eupetes castanonotus Salvadori, *Ann. Mus. Civ. Gen.* vii. p. 966 (1875 : Mt. Morait, N.W. New Guinea, Beccari coll.).

1 ♂, 1 ♀, Mt. Maori, 3000 ft., near Humboldt Bay, January 1899. J. M. Dumas coll. "Iris bright brown."

20. *Eupetes castanonotus pulcher* Sharpe.

Eupetes pulcher Sharpe, *Journ. Linn. Soc. London* xvi. pp. 319, 440 (1882 : Astrolabe Mts., S.E. New Guinea, Goldie coll.).

1 ♂ ad., 1 ♂ juv., Milne Bay, 8. 9. ii. 1899. A. S. Meek coll. "Iris dark brown, feet and bill black." Nos. 2279, 2280.

1 ♂ ad., Mts. of British New Guinea, 1894. A. S. Anthony coll., according to preparation.

2 ♀ ♀, marked "89," Astrolabe Mts. Goldie coll.

1 ♀, Mt. Cameron, 5000—6000 ft.

1 ♂, 1 ♀, "Mt. Gayata, Richardson Range, 2000—4000 ft." Purchased in London ; E. Weiske's skins.

1 ♂, 1 ♀, shot between rivers Laroki and Vanapa. E. Weiske coll.

This subspecies, though once overthrown by its author (*Cat. B.* vii. p. 341), is separable from *E. c. castanonotus* in the ♂ by a duller and more bluish mixed crown, generally also much more black on the under tail-coverts, and in the ♀ by the whitish instead of blue superciliary line and distinctly white-spotted under tail-coverts. (Cf. Salvadori, *Ann. Mus. Civ.* xxxvi. p. 101.)

21. *Eupetes caerulescens caerulescens* Temm.

Eupetes caerulescens Temminck, *Pl. Col.* ii. Pl. 574 (1835 : New Guinea, *loc. typ.* Lobo).

1 ♂, Etna Bay, 4. viii. 1896. Capt. Cayley Webster coll.

2 ♂♂, 1 ♀, Takar, October 1896. W. Doherty coll. "Iris dark brown, feet grey-brown, bill black."

22. *Eupetes caerulescens nigricrissus* Salvad.

Eupetes nigricrissus Salvadori, Ann. Mus. Cir. Gen. ix. p. 36 (1876 : Hall Bay, D'Albertis coll.).

- 1 ♀, Brown River, British New Guinea, 1898. E. Weiske coll.
- 1 ♀, Aroa River, January 1900. E. Weiske coll.
- 1 ♂, Astrolabe Mts. A. Goldie coll.
- 3 ♂♂, Mt. Cameron, 2000 ft., August and September 1896. A. S. Anthony coll.
- 1 ♂, 3 ♀♀, Milne Bay, January, March, April, 1899. A. S. Meek coll., Nos. 2101, 2305, 2375, 2453. "Iris brown, feet slaty-brown, bill black."
- 1 ♂, Mullen's harbour, 16. ii. 1900. A. S. Meek coll., No. 2691.

This form differs from *E. c. caerulescens* by the narrow white superciliary line of the female and a mixture of black on the under tail-coverts in both sexes.

23. *Eupetes geislerorum* Mey.

Eupetes geislerorum A. B. Meyer, Journ. f. Orn. 1892 p. 259 (Bataueng, Kaiser Wilhelm's Land).

- 3 ♂ ad., 1 ♂ juv., 2 ♀♀, Collingwood Bay, Northern British New Guinea, June 1899. A. S. Meek coll., Nos. 2531, 2568, 2569, 2574, 2589, 2607. "Iris dark brown, feet dirty brown, bill black."

The male differs from that of *E. caerulescens* by the olive-brown pileum and occiput, and the female is quite different from the male.

24. *Eupetes leucostictus leucostictus* Sel.

Eupetes leucostictus Slater, P. Z. S. 1873. p. 690. Pl. 52 (Hatam).

- 1 ♂, Dutch New Guinea, Arfak Mts. Bourke coll.
- 1 ♀, said to be from Amernoeh River. J. M. Dumas coll.
- 1 ♀, bought from Mr. van Duivenbode.

The birds we consider to be the hitherto unknown females of *E. leucostictus* have the entire upper surface from the forehead to the upper tail-coverts bright rufous chestnut, while the male has the head and hindneck only chestnut, the back dull greenish olive. The chest is olive-greenish, not bluish. Otherwise the supposed female is like the male.

25. *Eupetes leucostictus loriae* Salvad.

Eupetes loriae Salvadori, Ann. Mus. Cir. Gen. xxxvi. p. 102 (1896 : Moroka).

- 1 ad., British New Guinea. Native coll.
 - 2 ad., Mt. Victoria, Owen Stanley range, 5000—7000 ft., April—June 1896. Native coll.
 - 1 ad., Mt. Scratchley, British New Guinea. Bought from McIlwraith and McEacharn.
 - 2 ad., "Upper Brown River, between Astrolabe and Owen Stanley Ranges." Purchased from McIlwraith and McEacharn.
 - 1 " ♀," Aroa River, January 1900. E. Weiske coll.
 - 1 " ♀" juv., Mt. Cameron, 20. viii. 1896. A. S. Anthony coll.
 - 1 juv., Aroa River, January 1900. E. Weiske coll.
- The seven adult specimens are all alike, and are most likely all males. They are

very much like *Eu. leucostictus leucostictus*, but differ in the black upper throat and lower guttural black patch being more or less connected, and the guttural black patch being uniform black, not distinctly spotted with white, and the chest being olive-greenish, not cinereous blue.

The two young birds are above rich brown with a rufous olive wash, the wing-coverts have pale fuscous tips, the under surface is like the back, but paler, the middle of the abdomen and sides of neck more or less whitish, throat and lores blackish.

The adult *female* appears to be unknown, unless it is like the *male*, for which theory there is no reason whatever.

26. *Pomatorhinus isidori* Less.

Pomatorhinus isidori Lesson, *Voy. Coqu Zool.* i. p. 680. Pl. 29 (Dorey).

♂, Dorey, June 1897. "Iris yellow, feet blackish, bill dull orange, base above blackish." W. Doherty coll.

♂, Dorey, 15. iv. 1875. Brnijn coll. (Specimen *c* of the list in *Orn. Pap.* ii. p. 410).

♂, Dorey? Brnijn coll. (Specimen *e* of Salvadori's list).

1 ♂, 3 ♀♀, Andai. Brnijn coll. (Specimens *i*, *j*, *k*, *m* of Salvadori's list).

2 ♂♂, Andai, November 1883. Guillemard and Powell coll.

5 ♂♂, 3 ♀♀ Kapanr, December 1896. W. Doherty coll.

2, Mt. Cameron, Owen Stanley Range, 2000 ft., August 1896. A. Anthony coll.

1, Brown River, British New Guinea. E. Weiske coll.

2 ♂♂, 1 ♀, Mysol, January 1900. H. Kühn coll., Nos. 1886, 1940, 1941.

27. *Orthonyx novaeguineae* Mey.

Orthonyx Novae Guineae A. B. Meyer, *Sitzber. R. Ak. Wissensch. Wien* lxix. pp. 74. 83 (1874 : Arfak).

1 ♂, 2 ♀♀, Mt. Scratchley, Mt. Knutsford, British New Guinea, "11,000 feet," August 1898. A. S. Anthony coll.

Should be compared with Arfak specimens.
